

SAFETY DATA SHEET.

Issuing date 28-Apr-2017

Revision Date 05-Apr-2018

Version 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name

2 IN 1 PRIMER GRAY

Product number

4603

Recommended use of the chemical and restrictions on use

For professional and industrial use only. Not for sale to the general public.

Product Type

Extremely flammable aerosol

Synonyms

None

Recommended Use

Primer.

Uses advised against

No information available

Manufacturer/Distributor:

Transtar Autobody Technologies
2040 Heiserman Drive, Brighton,
Mi. 48116
800-824-2843

Distributor in New Zealand
RA Johnstone & Co Ltd.
33 Ha Crescent Wiri, Auckland
2104
Ph: 09 25000 90
Fax: 09 25000 92
www.raj.co.nz

CHEMTREC 24 Hour

Emergency Phone Number

0800 424-9300

0800 424-9300

Emergency Telephone in New Zealand (24 hours)

National Poison Centre: 0800 POISON [764 766]

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 2
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

GHS Label elements, including precautionary statements

Emergency Overview

DANGER

Hazard Statements

Causes skin irritation
 Causes serious eye irritation
 Suspected of causing cancer.
 Suspected of damaging fertility or the unborn child
 Causes damage to organs (Blood, Central Nervous System, Bone Marrow, Eyes, Kidney, Liver, Lungs, Reproductive System, Respiratory System, and Skin.)
 May cause damage to organs (Central Nervous System, Eyes, Kidneys, Liver, Respiratory System, and Skin) through prolonged or repeated exposure.
 Extremely Flammable Aerosol
 Contains gas under pressure; may explode if heated



Appearance Opaque

Physical state Aerosol

Odor Solvent

Precautionary Statements - Prevention

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Wash face, hands and any exposed skin thoroughly after handling.
 Do not breathe dust/fume/gas/mist/vapors/spray.
 Do not eat, drink or smoke when using this product.
 Keep away from heat/sparks/open flames/hot surfaces.-No smoking.
 Do not spray on an open flame or other ignition source.
 Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Response

Specific treatment (see first aid on this label)
 IF EXPOSED: Call a POISON CENTER or doctor/physician
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water.
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash it before reuse

Precautionary Statements - Storage

Store locked up
 Protect from sunlight. Store in a well-ventilated place
 Do not expose to temperatures exceeding 122°F (50°C)

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, regional, national and international regulations. Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)

None

Other information

0.00002% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %*
ACETONE	67-64-1	30-40
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	20-30
METHYL ISOBUTYL KETONE	108-10-1	1-10
TOLUENE	108-88-3	1-10
1-METHYOXY-2-PROPANOL ACETATE	108-65-6	1-10
TITANIUM DIOXIDE	13463-67-7	1-10
TALC	14807-96-6	1-10
NITROCELLULOSE RESIN	9004-70-0	1-10
XYLENE	1330-20-7	1-10
METHANOL	67-56-1	1-10
MALEIC MODIFIED ROSIN RESIN	PROPRIETARY	1-10
ISOPROPYL ALCOHOL	67-63-0	1-10
BUTYL ACETATE	123-86-4	1-10
ETHYL BENZENE	100-41-4	<1
ZINC OXIDE	1314-13-2	<1
CARBON BLACK	1333-86-4	<1
ETHANOL	64-17-5	<0.1

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice	Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.
Eye contact	Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. If eye irritation persists, consult a doctor.
Skin contact	Wash off with soap and plenty of water. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

Ingestion	Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.
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Most important symptoms/effects, acute and delayed

Main Symptoms	Causes skin and serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure.
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Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog. Carbon Dioxide (CO₂), Foam, Dry Chemical. Cool Tanks/ containers with water spray. Water Spray, Alcohol-resistant foam, Carbon Dioxide, and Dry Chemical. Water fog. Dry chemical. Foam. Carbon dioxide (CO₂). Cool containers/tanks with water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Flammable or Extremely Flammable aerosol. Container may burst in fire. Extremely Flammable / Flammable. Container may burst in fire. Keep product and empty container away from heat and sources of ignition. Keep product and empty container away from heat and sources of ignition.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters

In the event of fire and/or explosion do not breathe fumes. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Use with adequate ventilation to keep the exposure levels below the OELS. Follow safe handling advice and personal protective equipment recommendations.
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Environmental precautions

Environmental precautions	Vapors can accumulate in low areas. Report spills as required by local and federal regulations. Prevent product from entering drains. Do not allow material to contaminate ground water system. Should not be released into the environment.
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Methods and materials for containment and cleaning up

Methods for Containment	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.
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Methods for cleaning up	Soak up with inert absorbent material. Contain liquid and collect with an inert, non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.
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7. HANDLING AND STORAGE

Precautions for safe handling**Advice on safe handling**

Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities**Technical measures/Storage conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

Incompatible products

Strong acids, alkalis, oxidizing agents.

Aerosol Level

2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ACETONE 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6: TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³ 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³	74-98-6: IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³ 106-97-8: TWA: 800 ppm TWA: 1900 mg/m ³ 75-28-5: TWA: 800 ppm TWA: 1900 mg/m ³
METHYL ISOBUTYL KETONE 108-10-1	STEL: 75 ppm TWA: 20 ppm	TWA: 100 ppm TWA: 410 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 205 mg/m ³ (vacated) STEL: 75 ppm (vacated) STEL: 300 mg/m ³	IDLH: 500 ppm TWA: 50 ppm TWA: 205 mg/m ³ STEL: 75 ppm STEL: 300 mg/m ³
TOLUENE 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³
TALC 14807-96-6	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	(vacated) TWA: 2 mg/m ³ respirable dust <1% Crystalline silica, containing no Asbestos TWA: 20 mppcf if 1% Quartz or more, use Quartz limit	IDLH: 1000 mg/m ³ TWA: 2 mg/m ³ containing no Asbestos and <1% Quartz respirable dust

XYLENE 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m ³	Not Established
METHANOL 67-56-1	STEL: 250 ppm TWA: 200 ppm Skin - potential significant contribution to overall exposure by the cutaneous route	TWA: 200 ppm TWA: 260 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m ³ (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 325 mg/m ³
ISOPROPYL ALCOHOL 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³
BUTYL ACETATE 123-86-4	STEL: 150 ppm TWA: 50 ppm	TWA: 150 ppm TWA: 710 mg/m ³ (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m ³ (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m ³	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³
ETHYL BENZENE 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m ³ (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m ³	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³
ZINC OXIDE 1314-13-2	STEL: 10 mg/m ³ respirable fraction TWA: 2 mg/m ³ respirable fraction	TWA: 5 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 5 mg/m ³ fume (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) STEL: 10 mg/m ³ fume	IDLH: 500 mg/m ³ Ceiling: 15 mg/m ³ dust TWA: 5 mg/m ³ dust and fume STEL: 10 mg/m ³ fume
CARBON BLACK 1333-86-4	TWA: 3 mg/m ³ inhalable fraction	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
ETHANOL 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure controls

Engineering Measures

Ventilation systems. Use adequate ventilation to keep the exposure levels below the occupational exposure limits. Showers. Eyewash stations.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Safety glasses with side-shields.

Skin and body protection

Chemical resistant apron. Protective gloves.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state	Aerosol	Odor	Solvent
Appearance	Opaque	Odor Threshold	
Color	gray		

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	No information available	
Melting/freezing point	No information available	
Boiling point/boiling range		
Flash Point	-97 °C / -143 °F	Based on propellant
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
upper flammability limit		
lower flammability limit		
Vapor pressure		
Vapor density		
Specific Gravity	0.894	
Water solubility	No information available	
Partition coefficient: n-octanol/water		
Autoignition temperature	No information available	Not applicable
Decomposition temperature		
Viscosity	No information available	
Explosive properties		

Other information

VOC Content(%)	50.11
MIR Value	0.93
MIR Coating Category	ABP (Auto body primers) MIR <0.95

10. STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

Strong acids, alkalis, oxidizing agents.

Hazardous Decomposition Products

Carbon oxides , Hydrocarbons, Fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Respiratory irritation may occur if excessive exposure to product by inhalation.
Eye contact	Causes serious eye irritation.
Skin contact	Causes skin irritation.
Ingestion	May be harmful if swallowed .

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ACETONE 67-64-1	= 5800 mg/kg (Rat)	-	= 50100 mg/m ³ (Rat) 8 h
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-	-	=31mg/L (Rat) 4 hr
METHYL ISOBUTYL KETONE 108-10-1	= 2080 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 8.2 mg/L (Rat) 4 h
TOLUENE 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
1-METHOXY-2-PROPANOL ACETATE 108-65-6	= 8532 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
TITANIUM DIOXIDE 13463-67-7	> 10000 mg/kg (Rat)	-	-
NITROCELLULOSE RESIN 9004-70-0	> 5 g/kg (Rat)	-	-
XYLENE 1330-20-7	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
METHANOL 67-56-1	= 6200 mg/kg (Rat)	-	= 22500 ppm (Rat) 8 h
ISOPROPYL ALCOHOL 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m ³ (Rat) 4 h
BUTYL ACETATE 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
ETHYL BENZENE 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h
ZINC OXIDE 1314-13-2	> 5000 mg/kg (Rat)	-	-
CARBON BLACK 1333-86-4	> 15400 mg/kg (Rat)	-	-
ETHANOL 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms	Causes skin and serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs listed below. May cause damage to organs (listed below) through prolonged or repeated exposure.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Irritating to skin.
Eye damage/irritation	Irritating to eyes.
Sensitization	Not a known sensitizer.
Germ Cell Mutagenicity	Not a germ cell mutagen.
Carcinogenicity	The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
METHYL ISOBUTYL KETONE 108-10-1	A3	Group 2B	-	-
TOLUENE 108-88-3	-	Group 3	-	-
TITANIUM DIOXIDE 13463-67-7	-	2B	-	-
TALC 14807-96-6	-	Group 2B -Talc based body powder for perineal dusting -possibly carcinogenic to humans	-	-
NITROCELLULOSE RESIN 9004-70-0	-	Group 2A	-	X
XYLENE 1330-20-7	-	Group 3	-	-
ETHYL BENZENE 100-41-4	A3	Group 2B	-	-
CARBON BLACK 1333-86-4	A3	Group 2B	-	-

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive toxicity

Product is or contains a chemical which is a known or suspected reproductive hazard.

Specific target organ systemic toxicity (single exposure)

Causes damage to Target Organs listed below.

Specific target organ systemic toxicity (repeated exposure)

May cause damage to target organs listed below through prolonged or repeated exposure.

Chronic toxicity

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.

Target Organ Effects

Eyes, Skin, Kidney, Respiratory System, Central Nervous System, Liver, Lungs, Blood, Bone Marrow, and Reproductive System.

Neurological effects

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Aspiration hazard

No known effect based on information supplied.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity

0.00002% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 4424 mg/kg

ATEmix (dermal) 9407 mg/kg

ATEmix (inhalation-dust/mist) 8.9 mg/l

ATEmix (inhalation-vapor) 21435 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
ACETONE 67-64-1	-	4.74 - 6.33 mL/L LC50 Oncorhynchus mykiss 96h 6210 - 8120 mg/L LC50 Pimephales promelas 96h static 8300 mg/L LC50 Lepomis macrochirus 96h	-	10294 - 17704 mg/L EC50 Daphnia magna 48h Static 12600 - 12700 mg/L EC50 Daphnia magna 48h

PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-	-	-	-
METHYL ISOBUTYL KETONE 108-10-1	400 mg/L EC50 Pseudokirchneriella subcapitata 96h	496 - 514 mg/L LC50 Pimephales promelas 96h flow-through	-	170 mg/L EC50 Daphnia magna 48h
TOLUENE 108-88-3	433 mg/L EC50 Pseudokirchneriella subcapitata 96h 12.5 mg/L EC50 Pseudokirchneriella subcapitata 72h static	15.22 - 19.05 mg/L LC50 Pimephales promelas 96h flow-through 12.6 mg/L LC50 Pimephales promelas 96h static 5.89 - 7.81 mg/L LC50 Oncorhynchus mykiss 96h flow-through 14.1 - 17.16 mg/L LC50 Oncorhynchus mykiss 96h static 5.8 mg/L LC50 Oncorhynchus mykiss 96h semi-static 11.0 - 15.0 mg/L LC50 Lepomis macrochirus 96h static 54 mg/L LC50 Oryzias latipes 96h static 28.2 mg/L LC50 Poecilia reticulata 96h semi-static 50.87 - 70.34 mg/L LC50 Poecilia reticulata 96h static	-	5.46 - 9.83 mg/L EC50 Daphnia magna 48h Static 11.5 mg/L EC50 Daphnia magna 48h
1-METHOXY-2-PROPANOL ACETATE 108-65-6	-	161 mg/L LC50 Pimephales promelas 96h static	-	500 mg/L EC50 Daphnia magna 48h
TALC 14807-96-6	-	100 g/L LC50 Brachydanio rerio 96h semi-static	-	-
XYLENE 1330-20-7	-	13.4 mg/L LC50 Pimephales promelas 96h flow-through 2.661 - 4.093 mg/L LC50 Oncorhynchus mykiss 96h static 13.5 - 17.3 mg/L LC50 Oncorhynchus mykiss 96h 13.1 - 16.5 mg/L LC50 Lepomis macrochirus 96h flow-through 19 mg/L LC50 Lepomis macrochirus 96h 7.711 - 9.591 mg/L LC50 Lepomis macrochirus 96h static 23.53 - 29.97 mg/L LC50 Pimephales promelas 96h static 780 mg/L LC50 Cyprinus carpio 96h semi-static 780 mg/L LC50 Cyprinus carpio 96h 30.26 - 40.75 mg/L LC50 Poecilia reticulata 96h static	-	3.82 mg/L EC50 water flea 48h 0.6 mg/L LC50 Gammarus lacustris 48h
METHANOL 67-56-1	-	28200 mg/L LC50 Pimephales promelas 96h flow-through 100 mg/L LC50 Pimephales promelas 96h static 19500 - 20700 mg/L LC50 Oncorhynchus mykiss 96h flow-through 18 - 20 mL/L LC50 Oncorhynchus mykiss 96h static 13500 - 17600 mg/L LC50 Lepomis macrochirus 96h flow-through	-	-
ISOPROPYL ALCOHOL 67-63-0	1000 mg/L EC50 Desmodesmus subspicatus 96h 1000 mg/L EC50 Desmodesmus subspicatus 72h	9640 mg/L LC50 Pimephales promelas 96h flow-through 11130 mg/L LC50 Pimephales promelas 96h static 1400000 µg/L LC50 Lepomis macrochirus 96h	-	13299 mg/L EC50 Daphnia magna 48h

BUTYL ACETATE 123-86-4	674.7 mg/L EC50 Desmodesmus subspicatus 72h	100 mg/L LC50 Lepomis macrochirus 96h static 17 - 19 mg/L LC50 Pimephales promelas 96h flow-through	-	-
ETHYL BENZENE 100-41-4	4.6 mg/L EC50 Pseudokirchneriella subcapitata 72h 438 mg/L EC50 Pseudokirchneriella subcapitata 96h 2.6 - 11.3 mg/L EC50 Pseudokirchneriella subcapitata 72h static 1.7 - 7.6 mg/L EC50 Pseudokirchneriella subcapitata 96h static	11.0 - 18.0 mg/L LC50 Oncorhynchus mykiss 96h static 4.2 mg/L LC50 Oncorhynchus mykiss 96h semi-static 7.55 - 11 mg/L LC50 Pimephales promelas 96h flow-through 32 mg/L LC50 Lepomis macrochirus 96h static 9.1 - 15.6 mg/L LC50 Pimephales promelas 96h static 9.6 mg/L LC50 Poecilia reticulata 96h static	-	1.8 - 2.4 mg/L EC50 Daphnia magna 48h
ETHANOL 64-17-5	-	12.0 - 16.0 mL/L LC50 Oncorhynchus mykiss 96h static 100 mg/L LC50 Pimephales promelas 96h static 13400 - 15100 mg/L LC50 Pimephales promelas 96h flow-through	-	9268 - 14221 mg/L LC50 Daphnia magna 48h 2 mg/L EC50 Daphnia magna 48h Static

Persistence and degradability

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Bioaccumulation

Chemical Name	log Pow
ACETONE 67-64-1	-0.24
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	<=2.8
METHYL ISOBUTYL KETONE 108-10-1	1.19
TOLUENE 108-88-3	2.7
1-METHOXY-2-PROPANOL ACETATE 108-65-6	0.43
XYLENE 1330-20-7	2.77 - 3.15
METHANOL 67-56-1	-0.77
ISOPROPYL ALCOHOL 67-63-0	0.05
BUTYL ACETATE 123-86-4	1.81
ETHYL BENZENE 100-41-4	3.2
ETHANOL 64-17-5	-0.32

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment****Waste Disposal Methods**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging

Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Ground

CONSUMER COMMODITY ORM-D
or
LIMITED QUANTITY

IATA

UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD.QTY.

IMDG

UN1950, AEROSOLS, 2.1, LTD.QTY

15. REGULATORY INFORMATION

SCHEDULE B CODE: 3820.00.0000.

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
ACETONE	X	X	X	X	X	X	X	X
PROPANE/ISOBUTANE/N-BUTANE	X	X	X	x	X	X	X	X
METHYL ISOBUTYL KETONE	X	X	X	X	X	X	X	X
TOLUENE	X	X	X	X	X	X	X	X
1-METHOXY-2-PROPANOL ACETATE	X	X	X	X	X	X	X	X
TITANIUM DIOXIDE	X	X	X	X	X	X	X	X
TALC	X	X	X	X	X	X	X	X
NITROCELLULOSE RESIN	X	X	Not listed	X	X	X	X	X
XYLENE	X	X	X	X	X	X	X	X
METHANOL	X	X	X	X	X	X	X	X
ISOPROPYL ALCOHOL	X	X	X	X	X	X	X	X
BUTYL ACETATE	X	X	X	X	X	X	X	X
ETHYL BENZENE	X	X	X	X	X	X	X	X
ZINC OXIDE	X	X	X	X	X	X	X	X
CARBON BLACK	X	X	X	X	X	X	X	X
ETHANOL	X	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

CHINA - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
METHYL ISOBUTYL KETONE - 108-10-1	108-10-1	9.17118	1.0
TOLUENE - 108-88-3	108-88-3	7.27778	1.0
XYLENE - 1330-20-7	1330-20-7	1.81944	1.0
METHANOL - 67-56-1	67-56-1	1.81944	1.0
ISOPROPYL ALCOHOL - 67-63-0	67-63-0	1.81944	1.0
ETHYL BENZENE - 100-41-4	100-41-4	0.27292	0.1
ZINC OXIDE - 1314-13-2	1314-13-2	<1	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Star Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

Clean Water Act

This product does contain the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
TOLUENE 108-88-3	1000 lb	X	X	X
XYLENE 1330-20-7	100 lb			X
BUTYL ACETATE 123-86-4	5000 lb			X
ETHYL BENZENE 100-41-4	1000 lb	X	X	X
ZINC OXIDE 1314-13-2		X		

CERCLA

This material, as supplied, does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
ACETONE 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
METHYL ISOBUTYL KETONE 108-10-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
TOLUENE 108-88-3	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
XYLENE 1330-20-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
METHANOL 67-56-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
BUTYL ACETATE 123-86-4	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
ETHYL BENZENE 100-41-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Titanium Dioxide, (CAS # 13463-67-7), must be airborne, unbound, and of a particle size < 10 micrometers in diameter to be considered a Proposition 65 chemical. For this product, Titanium Dioxide is bound in the product and no inhalation exposure will occur during the handling or use of this product in this application. Talc in this application, has no asbestos fibers or used as a body powder. Therefore, is NOT classified as a carcinogen.

Carbon Black (CAS # 1333-86-4), must be airborne, unbound, and of a particle size < 10 micrometers in diameter to be considered a Proposition 65 chemical. For this product, Carbon Black is bound in the product and no inhalation exposure will occur during the handling or use of this product in this application.

Ethanol is ONLY considered a Proposition 65 chemical if ingested as an alcoholic beverage.



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Chemical Name	California Prop. 65
METHYL ISOBUTYL KETONE - 108-10-1	Cancer Developmental 1-10%
TOLUENE - 108-88-3	Developmental 10-20%
TITANIUM DIOXIDE - 13463-67-7	Cancer 1-10%
TALC - 14807-96-6	Cancer 1-10%
METHANOL - 67-56-1	Developmental 1-10%
ETHYL BENZENE - 100-41-4	Cancer 0.1%
CARBON BLACK - 1333-86-4	Cancer <1%
ETHANOL - 64-17-5	Carcinogen Developmental 1-10% (If ingested as an alcoholic beverage)

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ACETONE 67-64-1	X		X
METHYL ISOBUTYL KETONE 108-10-1	X	X	X
TOLUENE 108-88-3	X	X	X
TITANIUM DIOXIDE 13463-67-7	X	X	X
TALC 14807-96-6	X	X	X
NITROCELLULOSE RESIN 9004-70-0	X	X	X
XYLENE 1330-20-7	X	X	X
METHANOL 67-56-1	X	X	X
ISOPROPYL ALCOHOL 67-63-0	X	X	X
BUTYL ACETATE 123-86-4	X	X	X

ETHYL BENZENE 100-41-4	X	X	X
ZINC OXIDE 1314-13-2	X	X	X
CARBON BLACK 1333-86-4	X	X	X
ETHANOL 64-17-5	X	X	X

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Hazard Class

A Compressed gases
B5 Flammable aerosol
D1A Very toxic materials
D2B Toxic materials

16. OTHER INFORMATION

NFPA	Health Hazard 2	Flammability 4	Instability 0	Physical and chemical hazards -
HMIS	Health Hazard 2*	Flammability 4	Physical Hazard 1	Personal protection B
<i>Chronic Hazard Star Legend</i>	<i>Chronic Health Star Hazard</i>	<i>Repeated or prolonged exposure may cause damage</i>		<i>central nervous system</i>

Prepared By Transtar Autobody Technologies

Issuing date
Revision Date 28-Apr-2017
Revision Note 05-Apr-2018
(M)SDS sections updated 15

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Section 1 - Identification of the Material and Supplier

Manufactured by Transtar Autobody Technologies, USA

Distributed in New Zealand by:

Chemical nature: Blend of solvents, resin and pigments presented as an aerosol.

Trade Name: 2 IN 1 PRIMER BLACK

Product Code: 4613

Product Use: Primer. For professional and industrial use only.

Creation Date: October, 2016

This version issued: November, 2021 and is valid for 5 years from this date.

Poisons Information Centre: 0800 764 766 (0800 POISON) 24hr telephone National Poisons Centre

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Xi, Irritating. T, Toxic. Hazardous according to the criteria of SWA.

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

SUSMP Classification: S5

ADG Classification: Class 2.1: Flammable gases.

UN Number: 1950, AEROSOLS



GHS Signal word: DANGER

Flammable aerosols Category 1

Gases under pressure - Compressed gas

Skin Irritation Category 2

Serious eye irritation Category 2A

Carcinogenicity Category 2

Reproductive Toxicity Category 2

Specific Target Organ toxicity - single exposure Category 1

Specific Target Organ toxicity - repeated exposure Category 2

HAZARD STATEMENT:

H222: Extremely flammable aerosol

H280: Contains gas under pressure; may explode if heated.

AUH066: Repeated exposure may cause skin dryness or cracking.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H351: Suspected of causing cancer.

H361: Suspected of damaging fertility or the unborn child.

H372: Causes damage to organs (Central Nervous System, Peripheral Nervous System, Eyes, Kidney, Liver, Lungs, Respiratory System, Reproductive System, Skin, Central Vascular System and Gastrointestinal Tract).

H373: May cause damage to organs (Central Nervous System, Peripheral Nervous System, Central Vascular System, Eyes, Kidney, Liver, Lungs, Respiratory System, Reproductive System and Skin) through prolonged or repeated exposure.

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

Wash face, hands and any exposed skin thoroughly after handling
 Do not breathe dust/fume/gas/mist/vapors/spray
 Do not eat, drink or smoke when using this product
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Do not spray on an open flame or other ignition source
 Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Response

IF exposed: Call a POISON CENTER or doctor/physician
 Specific treatment (see first aid on this label)
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water.
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before reuse

Precautionary Statements - Storage

Store locked up
 Protect from sunlight. Store in a well-ventilated place
 Do not expose to temperatures exceeding 122°F (50°C)

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Emergency Overview

Physical Description & Colour: Black opaque paint presented as an aerosol.

Odour: Characteristic odour.

Major Health Hazards: Exposure can cause respiratory tract and throat irritation, headaches, shortness of breath and symptoms similar to intoxication. Overexposure can produce severe central nervous system depression, coma and respiratory failure. For this product: limited evidence of a carcinogenic effect, may impair fertility, may cause harm to unborn children, irritating to eyes and skin.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Acetone	67-64-1	30-40	1185	2375
Propane/Isobutane/n-Butane	68476-86-8	20-30	not set	not set
Methyl isobutyl ketone	108-10-1	1-10	205	307
Talc	14807-96-6	1-10	2.5	not set
1-methoxy-2-acetoxyp propane	108-65-6	1-10	274	548
Toluene	108-88-3	1-10	191	574
Methanol	67-56-1	1-10	262	328
Isopropanol	67-63-0	1-10	983	1230
n-Butyl acetate	123-86-4	1-10	713	950
Maleic modified resin	secret	1-10	not set	not set
Carbon black	1333-86-4	<1	3	not set
Ethyl benzene	100-41-4	<1	434	543
Zinc oxide	1314-13-2	<1	10 (dust)	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

This version issued: November, 2021

Skin Contact: Quickly and gently blot away excess liquid. Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

Eye Contact: Quickly and gently wipe or blot material from eyes. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: In case of fire, use carbon dioxide, dry chemical, water fog, water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses. Avoid the use of water jets.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is full fire kit and breathing apparatus. Cool closed, undamaged containers exposed to fire with water spray.

Flash point: -96 °C, (propellant)

Upper Flammability Limit: Not available

Lower Flammability Limit: Not available

Autoignition temperature: No data.

Flammability Class: Flammable Category 2 (GHS); Highly Flammable (AS1940).

Section 6 - Accidental Release Measures

Accidental release: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store in a cool (below 30 °C), well ventilated area. Protect from direct sunlight. Make sure that surrounding electrical devices and switches are suitable. Check containers and valves periodically for leaks. If you keep more than 25kg of flammable gases, you are probably required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m ³)	STEL (mg/m ³)
Acetone	1185	2375
Methyl isobutyl ketone	205	307
Talc	2.5	not set

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

1-methoxy-2-acetoxyp propane	274	548
Toluene	191	574
Methanol	262	328
Isopropanol	983	1230
n-Butyl acetate	713	950
Carbon black	3	not set
Ethyl benzene	434	543
Zinc oxide	10 (dust)	not set

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

Skin Protection: Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types: There is no data that enables us to recommend any type except that it should be impermeable.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Eyebaths or eyewash stations and safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Black opaque paint presented as an aerosol.
Odour:	Characteristic odour.
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	No data. VOC 44%
Vapour Pressure:	No data.
Vapour Density:	No data.
Specific Gravity:	0.871
Water Solubility:	Practically insoluble.
pH:	No data.
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data.
Autoignition temp:	No data.

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: Store below 30 °C, protect from direct sunlight and do not expose to temperatures exceeding 50 °C. Containers should be kept dry. Keep containers and surrounding areas well ventilated. Keep away from sources of sparks or ignition. Any electrical equipment in the area of this product should be flame proofed.

Incompatibilities: strong acids, strong bases, strong oxidising agents, Chlorinated compounds.

Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: Polymerisation reactions are unlikely; they are not expected to occur.

Section 11 - Toxicological Information

There is no data to hand indicating any particular target organs.

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

Toluene is a SWA Class 3 Reproductive risk.

Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Acetone	Conc \geq 20%: Xi; R36
<ul style="list-style-type: none"> Flammable liquid - category 2 Eye irritation - category 2A Specific target organ toxicity (single exposure) - category 3 	
Propane/isobutane/n-butane	No risk phrases at concentrations found in this product
<ul style="list-style-type: none"> Gas under pressure Flammable gas - category 1 	
Methyl Isobutyl Ketone	\geq 1%Conc<20%: Xn; R40
<ul style="list-style-type: none"> Flammable liquid - category 2 Acute toxicity - category 4 Carcinogenicity - category 2 Eye irritation - category 2A Specific target organ toxicity (single exposure) - category 3 	
1-methoxy-2-acetoxypropane	
<ul style="list-style-type: none"> Flammable liquid - category 3 	
Toluene	\geq 0.5%Conc<10%: T; R60; R61
<ul style="list-style-type: none"> Flammable liquid - category 2 Skin irritation - category 2 Specific target organ toxicity (repeated exposure) - category 2 Reproductive toxicity - category 1A 	
Methanol	\geq 3%Conc<10%: Xn; R20/21/22; R68/20/21/22
<ul style="list-style-type: none"> Flammable liquid - category 2 Acute toxicity - category 3 Acute toxicity - category 3 Acute toxicity - category 3 Specific target organ toxicity (single exposure) - category 1 	
Isopropanol	
<ul style="list-style-type: none"> Flammable liquid - category 2 Eye irritation - category 2A Specific target organ toxicity (single exposure) - category 3 	
N-butyl Acetate	
<ul style="list-style-type: none"> Flammable liquid - category 3 Specific target organ toxicity (single exposure) - category 3 	
Ethyl Benzene	
<ul style="list-style-type: none"> Flammable liquid - category 2 Acute toxicity - category 4 Eye irritation - category 2A Skin irritation - category 2 	
Zinc Oxide	
<ul style="list-style-type: none"> Hazardous to the aquatic environment (acute) - category 1 Hazardous to the aquatic environment (chronic) – category 1 	

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

Chemical Name	LD ₅₀ Oral	LD ₅₀ Dermal	LC ₅₀ Inhalation
Acetone	= 5800 mg/kg (rat)	- =	50100 mg/m ³ (rat) 8 h
Methyl isobutyl ketone	= 2080 mg/kg (rat)	= 3000 mg/kg (rabbit)	= 8.2 mg/L (rat) 4 h
1-methoxy-2-propanol acetate	= 8532 mg/kg (rat)	> 5 g/kg (rabbit) -	
Nitrocellulose resin	> 5 g/kg (rat)	-	-
Xylene	= 3500 mg/kg (rat)	4350 mg/kg (rabbit)	= 29.08 mg/L (rat) 4 h
Toluene	= 2600 mg/kg (rat)	= 12000 mg/kg (rabbit)	= 12.5 mg/L (rat) 4 h
Methanol	= 6200 mg/kg (rat)	-	= 22500 ppm (rat) 8 h
Isopropyl alcohol	= 1870 mg/kg (rat)	4059 mg/kg (rabbit)	= 72600 mg/m ³ (rat) 4 h
Butyl acetate	= 10768 mg/kg (rat)	> 17600 mg/kg (rabbit)	= 390 ppm (rat) 4 h
Carbon black	> 15400 mg/kg (rat)	-	-
Ethyl benzene	= 3500 mg/kg (rat)	= 15400 mg/kg (rabbit)	= 17.2 mg/L (rat) 4 h
Zinc oxide	> 5000 mg/kg (rat)	-	-

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation. Intentional misuse by deliberately concentrating and inhaling contents of aerosol containers can be harmful or fatal.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Major health effect from this product is misuse of the aerosol function. If sprayed continuously on skin or in eyes, it can cause frostbite.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: If sprayed directly in the eye, this product will irritate. If spraying is prolonged, it may cause damage through frostbite.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: Propane/isobutane/n-butane is classified by SWA as a Class 1 Carcinogen, known to be carcinogenic to humans.

See the SWA website for further details. A web address has not been provided as addresses frequently change.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: Methyl Isobutyl Ketone is classed 2b IARC - possibly carcinogenic to humans.

Talc is Class 3 - unclassifiable as to carcinogenicity to humans.

Toluene is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

Section 12 - Ecological Information

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Acetone		4.74 - 6.33 mL/L LC ₅₀ Oncorhynchus mykiss 96h 6210 - 8120 mg/L LC ₅₀ Pimephales promelas 96h static 8300 mg/L LC ₅₀ Lepomis macrochirus 96h		10294 - 17704 mg/L EC ₅₀ Daphnia magna 48h Static 12600 - 12700 mg/L EC ₅₀ Daphnia magna 48h
Methyl isobutyl ketone	400 mg/L EC ₅₀ Pseudokirchneriella subcapitata 96h	496 - 514 mg/L LC ₅₀ Pimephales promelas 96h flow-through		170 mg/L EC ₅₀ Daphnia magna 48h
Talc		100 g/L LC ₅₀ Brachydanio rerio		

SAFETY DATA SHEET

		96h semi-static		
1-methoxy-2-propanol acetate		161 mg/L LC ₅₀ Pimephales promelas 96h static		500 mg/L EC ₅₀ Daphnia magna 48h
Xylene		13.4 mg/L LC ₅₀ Pimephales promelas 96h flow-through 2.661 - 4.093 mg/L LC ₅₀ Oncorhynchus mykiss 96h static 13.5 - 17.3 mg/L LC ₅₀ Oncorhynchus mykiss 96h static 13.1 - 16.5 mg/L LC ₅₀ Lepomis macrochirus 96h flow-through 19 mg/L LC ₅₀ Lepomis macrochirus 96h static 7.711 - 9.591 mg/L LC ₅₀ Lepomis macrochirus 96h static 23.53 - 29.97 mg/L LC ₅₀ Pimephales promelas 96h static 780 mg/L LC ₅₀ Cyprinus carpio 96h semi-static 780 mg/L LC ₅₀ Cyprinus carpio 96h static 30.26 - 40.75 mg/L LC ₅₀ Poecilia reticulata 96h static		3.82 mg/L EC ₅₀ water flea 48h 0.6 mg/L LC ₅₀ Gammarus lacustris 48h
Toluene	433 mg/L EC ₅₀ Pseudokirchneriella subcapitata 96h static 12.5 mg/L EC ₅₀ Pseudokirchneriella subcapitata 72h static	15.22 - 19.05 mg/L LC ₅₀ Pimephales promelas 96h flow-through 12.6 mg/L LC ₅₀ Pimephales promelas 96h static 5.89 - 7.81 mg/L LC ₅₀ Oncorhynchus mykiss 96h flow-through 14.1 - 17.16 mg/L LC ₅₀ Oncorhynchus mykiss 96h static 5.8 mg/L LC ₅₀ Oncorhynchus mykiss 96h semi-static 11.0 - 15.0 mg/L LC ₅₀ Lepomis macrochirus 96h static 54 mg/L LC ₅₀ Oryzias latipes 96h static 28.2 mg/L LC ₅₀ Poecilia reticulata 96h semi-static 50.87 - 70.34 mg/L LC ₅₀ Poecilia reticulata 96h static		5.46 - 9.83 mg/L EC ₅₀ Daphnia magna 48h Static 11.5 mg/L EC ₅₀ Daphnia magna 48h
Methanol		28200 mg/L LC ₅₀ Pimephales promelas 96h flow-through 100 mg/L LC ₅₀ Pimephales promelas 96h static 19500 - 20700 mg/L LC ₅₀ Oncorhynchus mykiss 96h flow-through 18 - 20 mL/L LC ₅₀ Oncorhynchus mykiss 96h static 13500 - 17600 mg/L LC ₅₀ Lepomis macrochirus 96h flow-through		
Isopropyl alcohol	1000 mg/L EC ₅₀ Desmodesmus subspicatus 96h static 1000 mg/L EC ₅₀ Desmodesmus subspicatus 72h	9640 mg/L LC ₅₀ Pimephales promelas 96h flow-through 11130 mg/L LC ₅₀ Pimephales promelas 96h static 1400000 µg/L LC ₅₀ Lepomis macrochirus 96h		13299 mg/L EC ₅₀ Daphnia magna 48h
Butyl acetate	674.7 mg/L EC ₅₀ Desmodesmus subspicatus 72h	100 mg/L LC ₅₀ Lepomis macrochirus 96h static 17 - 19 mg/L LC ₅₀ Pimephales promelas 96h flow-through		
Ethyl benzene	4.6 mg/L EC ₅₀ Pseudokirchneriella subcapitata 72h static 438 mg/L EC ₅₀ Pseudokirchneriella subcapitata 96h static 2.6 - 11.3 mg/L EC ₅₀ Pseudokirchneriella subcapitata 72h static 1.7 - 7.6 mg/L EC ₅₀	11.0 - 18.0 mg/L LC ₅₀ Oncorhynchus mykiss 96h static 4.2 mg/L LC ₅₀ Oncorhynchus mykiss 96h semi-static 7.55 - 11 mg/L LC ₅₀ Pimephales promelas 96h flow-through 32 mg/L LC ₅₀ Lepomis macrochirus 96h static 9.1 - 15.6 mg/L LC ₅₀ Pimephales promelas 96h static 9.6 mg/L LC ₅₀ Poecilia reticulata 96h static		Daphnia magna 48h

SAFETY DATA SHEET

	Pseudokirchneriella subcapitata 96h static			
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Section 13 - Disposal Considerations

Disposal: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service. Do not puncture or incinerate aerosol cans, even when empty.

Section 14 - Transport Information

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

UN Number: 1950, AEROSOLS

Hazchem Code: 2YE

Special Provisions: 63, 190, 277

Limited quantities: ADG 7 specifies a Limited Quantity value of 1000mL for this class of product.

Dangerous Goods Class: Class 2.1: Flammable gases.

Packing Group: Not set

Packing Instruction: P003

NEW ZEALAND

Class 2.1.2A	Flammable Aerosol
Class 6.3A	Skin Irritant
Class 6.4A	Eye Irritant
Class 6.9B	Narcotic/Target Organ – Repeat
Class 6.7A	Carcinogen
Class 6.8A	Reproductive Toxicity
HSR002517	Aerosols Flammable Carcinogenic

Class 2.1 Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 3 (Flammable Liquids) (where both flammable liquids and flammable gases are in bulk), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.2 (Non-flammable Non-Toxic gases), 3 (Flammable liquids except where both flammable liquids and flammable gases are in bulk), 6 (Toxic Substances), 8 (Corrosive Substances) 9 (Miscellaneous dangerous goods), Foodstuffs and foodstuff empties.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

The following ingredients: Acetone, Methyl isobutyl ketone, Toluene, are mentioned in the SUSMP.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (Feb 2016)

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<http://www.kilford.com.au/> Phone (02)9251 4532

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

Section 1 - Identification of the Material and Supplier

Manufactured by Transtar Autobody Technologies, USA
Distributed in New Zealand by:

Chemical nature: Aerosol containing resins and pigments.
Trade Name: 2-in-1 Primer White
Product Code: 4633
Product Use: Primer for professional and industrial use.
Creation Date: August, 2016
This version issued: November, 2021 and is valid for 5 years from this date.
Poisons Information Centre: 0800 764 766 (0800 POISON) 24hr telephone National Poisons Centre

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Xi, Irritating. T, Toxic. F+, Highly Flammable. Hazardous according to the criteria of SWA.

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

SUSMP Classification: S5

ADG Classification: Class 2.1: Flammable gases.

UN Number: 1950, AEROSOLS



GHS Signal word: DANGER

Flammable aerosols Category 1
Gases under pressure - Compressed gas
Skin Irritation Category 2
Skin Sensitisation Category 1
Serious eye eye irritation Category 2A
Specific Target Organ Toxicity - Single Exposure Category 3. Transient target organ effects- Narcotic effects
Germ cell mutagenicity Category 1B.
Carcinogenicity Category 2
Reproductive Toxicity Category 1
Specific Target Organ toxicity - repeated exposure Category 2

HAZARD STATEMENT:

H222: Extremely flammable aerosol
H280: Contains gas under pressure; may explode if heated.
AUH066: Repeated exposure may cause skin dryness or cracking.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H340: May cause genetic defects.
H351: Suspected of causing cancer.
H360: May damage fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.

GHS Precautions

P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

P103 Read label before use
 P201 Obtain special instructions before use
 P202 Do not handle until all safety precautions have been read and understood
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking
 P211 Do not spray on an open flame or other ignition source
 P251 Pressurized container - Do not pierce or burn, even after use
 P260 Do not breathe dust, mist, vapors or spray
 P264 Wash contacted skin thoroughly after handling
 P271 Use only outdoors or in a well-ventilated area
 P272 Contaminated work clothing should not be allowed out of the workplace
 P280 Wear protective gloves, protective clothing, eye protection, face protection and respiratory protection.
 P321 Specific treatment (see first aid instructions on SDS)
 P362 Take off contaminated clothing and wash before reuse
 P302+P352 IF ON SKIN: Wash with soap and water
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
 P308+P313 IF exposed or concerned: Get medical advice
 P333+P313 If skin irritation or a rash occurs: Get medical advice
 P337+P313 If eye irritation persists: Get medical attention.
 P405 Store locked up
 P403+P233 Store in a well ventilated place. Keep container tightly closed
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
 P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

Emergency Overview

Physical Description & Colour: White liquid (when sprayed).

Odour: Organic solvent odour.

Major Health Hazards: Exposure can cause respiratory tract and throat irritation, headaches, shortness of breath and symptoms similar to intoxication. Overexposure can produce severe central nervous system depression, coma and respiratory failure. May cause serious damage to eyes, may cause cancer, may cause heritable genetic damage, may impair fertility, may cause harm to unborn children.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
Acetone	67-64-1	20-30	1185	2375
Propane/isobutane/n-butane	68476-86-8	20-30	not set	not set
Methyl ethyl ketone	78-93-3	10-20	445	890
Propylene glycol monomethyl ether acetate	108-65-6	5-10	274	548
Talc	14807-96-6	1-5	2.5	not set
Titanium dioxide (dust)	13463-67-7	4.2	not set	not set
Nitrocellulose	9004-70-0	1-5	not set	not set
Methyl isobutyl ketone	108-10-1	1-3	205	307
Toluene	108-88-3	1-5	191	574
Isopropyl alcohol	67-63-0	1-5	983	1230
Maleic modified rosin resin	secret	1-5	not set	not set
Methanol	67-56-1	0.1-1	262	328
Ethyl benzene	100-41-4	0.1-0.5	434	543

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Skin Contact: Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: In case of fire, use carbon dioxide, dry chemical, foam or water fog. Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is full fire kit and breathing apparatus.

Flash point: -56 °C

Upper Flammability Limit: 11.4%

Lower Flammability Limit: 1.0%

Autoignition temperature: 170 °C

Flammability Class: Flammable Category 2 (GHS); Highly Flammable (AS1940).

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include butyl rubber, Teflon, PE/EVAL, Responder and polyvinyl alcohol. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Otherwise, not normally necessary. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Take suitable precautions e.g. use of non-sparking equipment to avoid creating sparks or flames which may ignite the spilled material. Leaking gases may form an explosion hazard. Any equipment capable of building an electrostatic charge should be electrically grounded. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store in a cool (below 30 °C), well ventilated area. Protect from direct sunlight. Make sure that surrounding electrical devices and switches are suitable. Check containers and valves periodically for leaks. If you keep more than 25kg of flammable gases, you are probably required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m³)	STEL (mg/m³)
Acetone	1185	2375
Methyl ethyl ketone	445	890
Propylene glycol monomethyl ether acetate	274	548
Talc	2.5	not set
Methyl isobutyl ketone	205	307
Toluene	191	574
Isopropyl alcohol	983	1230
Methanol	262	328
Ethyl benzene	434	543

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan.

Eye Protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

Skin Protection: If you believe you may have a sensitisation to this product or any of its declared ingredients, you should prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: butyl rubber, Teflon, PE/EVAL, Responder and polyvinyl alcohol.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above. Otherwise, not normally necessary.

Eyebaths or eyewash stations and safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	White liquid (when sprayed).
Odour:	Organic solvent odour.
Boiling Point:	Solvent boils at 56 °C at 100kPa
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	81.24% w/w
Vapour Pressure:	14.6652 kPa (solvent)
Vapour Density:	2.6
Specific Gravity:	0.823
Water Solubility:	No data.
pH:	No data.
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	170 °C

SAFETY DATA SHEET

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: Store below 30°C, protect from direct sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat, flames and sparks. Keep away from sources of sparks or ignition. Any electrical equipment in the area of this product should be flame proofed. Protect this product from light.

Incompatibilities: acids, bases, strong oxidising agents.

Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: Polymerisation reactions are unlikely; they are not expected to occur.

Section 11 - Toxicological Information

Toxicity:

May affect liver, kidney and central nervous system with repeated exposure. Prolonged or repeated exposure may cause lung injury. May cause damage to organs through prolonged and repeated exposure. Suspected of causing cancer. Risk of cancer depends on duration and level of exposure. Data available regarding components of this product suggests that it may affect the following organs: eyes, kidneys, liver, lungs, central nervous system, reproductive system, skin, cardiovascular system, gastrointestinal tract and the respiratory system.

Propane/isobutane/n-butane is a SWA Class 2 Mutagen, likely to be mutagenic to humans.

Toluene is a SWA Class 3 Reproductive risk.

Classification of Hazardous Ingredients

Ingredient	Risk Phrases
Acetone	Conc>=20%: Xi; R36
<ul style="list-style-type: none"> Flammable liquid - category 2 Eye irritation - category 2A Specific target organ toxicity (single exposure) - category 3 	
Propane/isobutane/n-butane	Conc>=0.1%: T; R45; R46
<ul style="list-style-type: none"> Gas under pressure Flammable gas - category 1 	
Methyl Ethyl Ketone	No risk phrases at concentrations found in this product
<ul style="list-style-type: none"> Flammable liquid - category 2 Eye irritation - category 2A Specific target organ toxicity (single exposure) - category 3 Specific target organ toxicity (single exposure) - category 3 	
Methyl Isobutyl Ketone	>=1%Conc<20%: Xn; R40
<ul style="list-style-type: none"> Flammable liquid - category 2 Acute toxicity - category 4 Carcinogenicity - category 2 Eye irritation - category 2A Specific target organ toxicity (single exposure) - category 3 	
Toluene	>=0.5%Conc<10%: T; R60; R61
<ul style="list-style-type: none"> Flammable liquid - category 2 Skin irritation - category 2 Specific target organ toxicity (repeated exposure) - category 2 Reproductive toxicity - category 1A 	
Methanol	No risk phrases at concentrations found in this product
<ul style="list-style-type: none"> Flammable liquid - category 2 Acute toxicity - category 3 Acute toxicity - category 3 Acute toxicity - category 3 Specific target organ toxicity (single exposure) - category 1 	

Potential Health Effects

Inhalation:

SAFETY DATA SHEET

Short Term Exposure: High vapour pressures may cause drowsiness and dizziness. In addition product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort. Intentional misuse by deliberately concentrating and inhaling contents of aerosol containers can be harmful or fatal.

Long Term Exposure: Vapours may cause drowsiness and dizziness.

Skin Contact:

Short Term Exposure: Major health effect from this product is misuse of the aerosol function. If sprayed continuously on skin or in eyes, it can cause frostbite.

Long Term Exposure: Repeated exposure may cause skin dryness or cracking.

Eye Contact:

Short Term Exposure: If sprayed directly in the eye, this product will irritate. If spraying is prolonged, it may cause damage through frostbite.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: Methyl Isobutyl Ketone is classed 2b IARC - possibly carcinogenic to humans.

Toluene is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

Section 12 - Ecological Information

Insufficient data to be sure of status. This product contains a photochemically active solvent. No testing has been performed regarding the effects of the formulated product on the environment; however, various components are toxic to aquatic organisms such as fish, algae and aquatic invertebrates such as daphnia. Avoid release to waterways.

Section 13 - Disposal Considerations

Disposal: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service. Not suitable for incineration.

Section 14 - Transport Information

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

UN Number: 1950, AEROSOLS

Hazchem Code: 2YE

Special Provisions: 63, 190, 277

Limited quantities: ADG 7 specifies a Limited Quantity value of 1000mL for this class of product.

Dangerous Goods Class: Class 2.1: Flammable gases.

Packing Group: Not set

Packing Instruction: P003

NEW ZEALAND

Class 2.1.2A	Flammable Aerosol
Class 6.3A	Skin Irritant
Class 6.5B	Skin Sensitiser
Class 6.4A	Eye Irritant
Class 6.9B	Narcotic/Target Organ-Repeat
Class 6.6A	Mutagen
Class 6.7A	Carcinogen
Class 6.8A	Reproductive Toxicity

HSR002517 Aerosols Flammable
Carcinogenic

Class 2.1 Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 3 (Flammable Liquids) (where both flammable liquids and flammable gases are in bulk), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.2 (Non-flammable Non-Toxic gases), 3 (Flammable liquids except where both flammable liquids and flammable gases are in bulk), 6 (Toxic Substances), 8 (Corrosive Substances) 9 (Miscellaneous dangerous goods), Foodstuffs and foodstuff empties.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

The following ingredients: Acetone, Methyl isobutyl ketone, Toluene, Methanol, are mentioned in the SUSMP.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)
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<http://www.kilford.com.au/> Phone (02)9251 4532

SAFETY DATA SHEET

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)