Safety Data Sheet
in accordance with HSNO

Printing date 19.07.2023 Revised On: 19.07.2023

1 Identification of the substance or mixture and of the supplier

Trade name: **DULL ALUMINUM**

Article number: EN00710000
Product category PC9a Paints and coatings.
Process category PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
Application of the substance / the mixture Painting and coating.
Uses advised against Any that differs from the recommended use.
Manufacturer/Supplier: Import Distribution T/A Formula
660B Cryers Road
East Tamaki
Auckland 2013
New Zealand
Emergency telephone number: National Poisons Centre 0800 764 766

2 Hazards identification

Classification of the substance or mixture

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurized container: may burst if heated.
Eye Irrit. 2	H319	Causes serious eye irritation.
Carc. 2	H351	Suspected of causing cancer.
Repr. 1	H360	May damage fertility or the unborn child.
STOT SE 3	H336	May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.

Additional information:
Hazard pictograms

GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:
Toluene
methyl isobutyl ketone

Hazard statements
Extremely flammable aerosol. Pressurized container: may burst if heated.
Causes serious eye irritation.
Suspected of causing cancer.
May damage fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read carefully and follow all instructions.
Obtain special instructions before use.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear eye protection / face protection.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/Information on ingredients

Chemical characterisation: Mixtures Classification according to HSNO Act 1996---2.1.2A Flammable Aerosols
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 67-64-1 EINECS: 200-662-2	Acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 Specific concentration limit: STOT SE 3; H336: C ≥ 10 %	25-50%
CAS: 74-98-6 EINECS: 200-827-9	propane Flam. Gas 1A, H220	15-25%

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CAS: 106-97-8	n-butane Flam. Gas 1A, H220	5-10%
CAS: 110-19-0 EINECS: 203-745-1	Isobutyl Acetate Flam. Liq. 2, H225	5-10%
CAS: 108-88-3 EINECS: 203-625-9	Toluene Flam. Liq. 2, H225; Repr. 1, H360; STOT RE 2, H373; Skin Irrit. 2, H315; STOT SE 3, H336	≥5-<10%
CAS: 7429-90-5 EINECS: 231-072-3	Aluminum flake	1-5%
CAS: 108-10-1 EINECS: 203-550-1	methyl isobutyl ketone Flam. Liq. 2, H225; Carc. 2, H351; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H336	1-5%
CAS: 107-87-9 EINECS: 203-528-1	Methyl Propyl Ketone Flam. Liq. 2, H225	1-5%
CAS: 2807-30-9 EINECS: 220-548-6	Glycol Ether EP Flam. Liq. 3, H226; Acute Tox. 4, H312; Eye Irrit. 2, H319	1-5%
CAS: 64742-47-8 EINECS: 265-149-8	Mineral Spirits Flam. Liq. 3, H226	1-5%

4 First aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Generally the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Do not induce vomiting; call for medical help immediately.
Information for doctor:
Most important symptoms and effects, both acute and delayed Dizziness
Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire fighting measures

Extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray.
Unsuitable extinguishing agents: Water
Special hazards arising from the substance or mixture Can form explosive gas-air mixtures.
Protective equipment: Mount respiratory protective device.
Additional information Cool endangered receptacles with water spray.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Use respiratory protective device against the effects of fumes/dust/aerosol.
Environmental precautions: Do not allow product to reach sewage system or any water course.
Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.

7 Handling and storage

Precautions for safe handling Use only in well ventilated areas.
Fire/explosion protection: Keep respiratory protective device available.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
Do not spray onto a naked flame or any incandescent material.

Conditions for safe storage, including any incompatibilities
Requirements to be met by storerooms and receptacles: Suitable material for receptacles and pipes: steel or stainless steel.
Information about storage in one common storage facility: Not available.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Ingredients with limit values that require monitoring at the workplace:	
67-64-1 Acetone	
WES	Short-term value: 2375 mg/m³, 1000 ppm Long-term value: 1185 mg/m³, 500 ppm bio

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74-98-6 propane	
WES	Simple asphyxiant; may present an explosion hazard
106-97-8 n-butane	
WES	Long-term value: 1900 mg/m³, 800 ppm
110-19-0 Isobutyl Acetate	
WES	Long-term value: 713 mg/m³, 150 ppm
108-88-3 Toluene	
WES	Short-term value: 377 mg/m³, 100 ppm Long-term value: 75 mg/m³, 20 ppm skin, oto, bio
7429-90-5 Aluminum flake	
WES	Long-term value: 10* 5** 2*** mg/m³ *metal dust;**welding fume,soluble salts;***alkyls
108-10-1 methyl isobutyl ketone	
WES	Short-term value: 307 mg/m³, 75 ppm Long-term value: 205 mg/m³, 50 ppm
107-87-9 Methyl Propyl Ketone	
WES	Short-term value: 881 mg/m³, 250 ppm Long-term value: 705 mg/m³, 200 ppm

Exposure controls
General protective and hygienic measures: Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
Do not eat or drink while working.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands: Protective gloves
Neoprene gloves
The glove material has to be impermeable and resistant to the product.

Eye protection: Tightly sealed goggles

9 Physical and chemical properties

Appearance: Aerosol.
Form: Not determined.
Odour: Aromatic
Odour threshold: Not determined.
pH-value: Not determined.
Melting point/freezing point: Undetermined.
Initial boiling point and boiling range: -44.5 °C (-48.1 °F)
Flash point: -19 °C (-2.2 °F)
Flammability (solid, gas):
Ignition temperature: 405 °C (761 °F)
Decomposition temperature: Not determined.
Auto-ignition temperature: Product is not selfigniting.
Explosive properties: In use, may form flammable/explosive vapour-air mixture.
Lower: 1.7 Vol %
Upper: 10.9 Vol %
Vapour pressure: Not determined.
Density at 20 °C (68 °F): 0.8 g/cm³ (6.7 lbs/gal)
Relative density Not determined.
Vapour density Not determined.
Evaporation rate Not applicable.
Solubility: Fully miscible.
Partition coefficient: n-octanol/water: Not determined.
Viscosity: Not determined.
Dynamic: Not determined.
Kinematic: Not determined.

Other information No further relevant information available.

10 Stability and reactivity

Thermal decomposition / conditions to be avoided: Stable at environment temperature.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: No further relevant information available.

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Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity--- Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
110-19-0 Isobutyl Acetate		
Oral	LD50	4,763 mg/kg (rbt)
108-10-1 methyl isobutyl ketone		
Oral	LD50	2,100 mg/kg (rat)
Dermal	LD50	16,000 mg/kg (rab)
Inhalative	LC50/4 h	11 mg/l (ATE)
		8.3-16.6 mg/l (rat)

Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/irritation Causes serious eye irritation.
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Suspected of causing cancer.
Reproductive toxicity May damage fertility or the unborn child.
STOT-single exposure May cause drowsiness or dizziness.
STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard Based on available data, the classification criteria are not met.

12 Ecological information

Aquatic toxicity: No further relevant information available.
Persistence and degradability The product is biodegradable after prolonged adaptation.
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.
General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

UN-Number UN1950
NZS, IMDG, IATA UN1950
UN proper shipping name
NZS 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS, flammable
Transport hazard class(es)
Class 2 5F Gases.
Label 2.1

IMDG, IATA
Class 2.1 Gases.
Label 2.1
Packing group
NZS, IMDG, IATA Void
Environmental hazards: Not applicable.
Special precautions for user Warning: Gases.
Hazard identification number (Kemler code): -
EMS Number: F-D,S-U
Stowage Code SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

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Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS:
Segregation as for the appropriate subdivision of class 2.

Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

Transport/Additional information:

NZS
Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
Transport category 2
Tunnel restriction code D

IMDG
Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
UN "Model Regulation": UN 1950 AEROSOLS, 2.1

15 Regulatory information

New Zealand Inventory of Chemicals	
67-64-1	Acetone
74-98-6	propane
110-19-0	Isobutyl Acetate
108-88-3	Toluene
7429-90-5	Aluminum flake
108-10-1	methyl isobutyl ketone
107-87-9	Methyl Propyl Ketone
2807-30-9	Glycol Ether EP
64742-47-8	Mineral Spirits
64742-95-6	Solvent naphtha, light aromatic
22464-99-9	solid zirco drier
1330-20-7	xylene (mix)
136-52-7	cobalt bis(2-ethylhexanoate)
100-41-4	ethyl benzene
136-51-6	calcium bis(2-ethylhexanoate)

HSNO Approval numbers Approval Code: HSR002515

67-64-1	Acetone	HSR001070
74-98-6	propane	HSR001010
110-19-0	Isobutyl Acetate	HSR001092
108-88-3	Toluene	HSR001227
108-10-1	methyl isobutyl ketone	HSR001194
107-87-9	Methyl Propyl Ketone	HSR001046
2807-30-9	Glycol Ether EP	HSR001161

Hazard-determining components of labelling: Toluene
methyl isobutyl ketone

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category P3a FLAMMABLE AEROSOLS
Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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Other regulations, limitations and prohibitive regulations Group Standard: Aerosols (flammable) Group Standard 2006

16 Other information

Relevant phrases

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H360 May damage fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Department issuing SDS: Technical Services