

Safety Data Sheet

in accordance with HSNO

Printing date 18.07.2023

Revised On: 14.06.2023

1 Identification of the substance or mixture and of the supplier

Trade name:	ALUMINUM
Article number:	0000161201
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.
Water-react. 1	H260	In contact with water releases flammable gases, which may ignite spontaneously.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
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:

Hazard statements

Toluene
Extremely flammable aerosol. Pressurized container: may burst if heated.
In contact with water releases flammable gases, which may ignite spontaneously.
Causes skin irritation.
Causes serious eye irritation.
May damage fertility or the unborn child.
May cause drowsiness or dizziness.

Precautionary statements

May cause damage to organs through prolonged or repeated exposure.
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.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
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: 108-88-3	Toluene	≥20-≤25%
EINECS: 203-625-9	Flam. Liq. 2, H225; Repr. 1, H360; STOT RE 2, H373; Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 67-64-1	Acetone	15-25%
EINECS: 200-662-2	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 Specific concentration limit: STOT SE 3; H336: C ≥ 10 %	

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CAS: 74-98-6 EINECS: 200-827-9	propane Flam. Gas 1A, H220	15-25%
CAS: 106-97-8	n-butane Flam. Gas 1A, H220	10-15%
CAS: 7727-43-7 EINECS: 231-784-4	barium sulfate	5-10%
CAS: 64742-89-8 EINECS: 265-192-2	VM&P Naphtha Flam. Liq. 2, H225	1-5%
CAS: 7429-90-5 EINECS: 231-072-3	Aluminum flake	1-5%
CAS: 1330-20-7 EINECS: 215-535-7	xylene (mix) Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	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:

108-88-3 Toluene

WES	Short-term value: 377 mg/m ³ , 100 ppm Long-term value: 75 mg/m ³ , 20 ppm skin, oto, bio
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67-64-1 Acetone

WES	Short-term value: 2375 mg/m ³ , 1000 ppm Long-term value: 1185 mg/m ³ , 500 ppm bio
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74-98-6 propane

WES Simple asphyxiant; may present an explosion hazard

106-97-8 n-butaneWES Long-term value: 1900 mg/m³, 800 ppm**7727-43-7 barium sulfate**WES Long-term value: 10 mg/m³**7429-90-5 Aluminum flake**WES Long-term value: 10* 5** 2*** mg/m³
*metal dust;**welding fume,soluble salts;***alkyls**1330-20-7 xylene (mix)**WES Long-term value: 217 mg/m³, 50 ppm
oto**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:	470 °C (878 °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/cm ³ (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.
Water:	0.0 %
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.
Hazardous decomposition products:	No dangerous decomposition products known.

11 Toxicological information

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

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LD/LC50 values relevant for classification:**1330-20-7 xylene (mix)**

Oral	LD50	8,700 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rbt)
Inhalative	LC50/4 h	6,350 mg/l (rat)

Skin corrosion/irritation	Causes skin irritation.
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	Based on available data, the classification criteria are not met.
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. 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.
Segregation Code	
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

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Tunnel restriction code

D

IMDG**Limited quantities (LQ)
Excepted quantities (EQ)**1L
Code: E0
Not permitted as Excepted Quantity
UN 1950 AEROSOLS, 2.1**UN "Model Regulation":****15 Regulatory information****New Zealand Inventory of Chemicals**

108-88-3	Toluene
67-64-1	Acetone
74-98-6	propane
7727-43-7	barium sulfate
64742-89-8	VM&P Naphtha
7429-90-5	Aluminum flake
1330-20-7	xylene (mix)
64742-47-8	Mineral Spirits
108-65-6	PM acetate
28262-63-7	Acrylic Resin
64742-95-6	Solvent naphtha, light aromatic
68953-58-2	Alkyl Quaternary Ammonium Montmorillonite
100-41-4	ethyl benzene
110-19-0	Isobutyl Acetate
67-63-0	Isopropyl Alcohol
8002-43-5	Soya Lecithin
7732-18-5	Water

HSNO Approval numbers

Approval Code: HSR002515

108-88-3	Toluene	HSR001227
67-64-1	Acetone	HSR001070
74-98-6	propane	HSR001010
1330-20-7	xylene (mix)	HSR000983

Hazard-determining components of labelling:

Toluene

**Directive 2012/18/EU
Named dangerous substances -
ANNEX I****Seveso category**None of the ingredients is listed.
O2 Substances and mixtures which in contact with water emit flammable gases
P3a FLAMMABLE AEROSOLS**Qualifying quantity (tonnes) for the
application of lower-tier
requirements**

100 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.

**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.
 H360 May damage fertility or the unborn child.
 H373 May cause damage to organs through prolonged or repeated exposure.

Department issuing SDS:

Technical Services