

SAFETY DATA SHEET

according to HSNO Act 1996

Printing date 02.10.2018

Revision: 02.10.2018

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: CLEAR METAL LACQUER**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Metal lacquer**Details of Manufacturer or Importer:**GMR Imports
4 Bute St, Invercargill,
Southland, 9810, NZ**Phone Number:** 0800 800 718**Emergency telephone number:** 0800 800 718

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.



flame

Flammable Liquids 2

H225 Highly flammable liquid and vapour.



health hazard

Toxic To Reproduction 2

H361 Suspected of damaging fertility or the unborn child.

STOT SE 2

H371 May cause damage to organs.

Aspiration Hazard 1

H304 May be fatal if swallowed and enters airways.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Acute Toxicity (Dermal) 4

H312 Harmful in contact with skin.

Acute Toxicity (Inhalation) 4

H332 Harmful if inhaled.

Serious Eye Damage/Irritation 2A

H319 Causes serious eye irritation.

Skin Corr. 3

H316 Causes mild skin irritation.

Aquatic Acute 3

H402 Harmful to aquatic life.

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

HSNO Classification

3.1B - Flammable liquid - high hazard.

6.1D - Substances that are acutely toxic - Harmful.

6.1E - Substances that are acutely toxic - May be harmful, Aspiration hazard.

6.3B - Substances that are mildly irritating to the skin.

6.4A - Substances that are irritating to the eye.

6.8B - Substances that are suspected human reproductive or developmental toxicants.

6.9B - Substances that are harmful to human target organs or systems.

9.1C - Substances that are harmful in the aquatic environment.

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9.3C - Substances that are harmful to terrestrial vertebrates.

Signal Word Danger**Hazard Statements**

H225 Highly flammable liquid and vapour.
 H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.
 H316 Causes mild skin irritation.
 H319 Causes serious eye irritation.
 H361 Suspected of damaging fertility or the unborn child.
 H371 May cause damage to organs.
 H304 May be fatal if swallowed and enters airways.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P321 Specific treatment (see on this label).
 P331 Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously 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/attention.
 P330 Rinse mouth.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P370+P378 In case of fire: Use to extinguish: CO₂, powder or water spray.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 108-10-1	2-Pentanone, 4-methyl- ▲ Flammable Liquids 2, H225; ◆ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Serious Eye Damage/Irritation 2A, H319; Skin Corr. 3, H316	23.460%
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CAS: 95-63-6	Benzene, 1,2,4-trimethyl- ⚠ Flammable Liquids 3, H226; ⚠ STOT SE 2, H371; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Serious Eye Damage/Irritation 2A, H319; Skin Corr. 3, H316; Aquatic Acute 2, H401	16.317%
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom. ⚠ Aspiration Hazard 1, H304; Flammable Liquids 4, H227	10.878%
CAS: 78-93-3	2-Butanone ⚠ Flammable Liquids 2, H225; ⚠ STOT SE 2, H371; ⚠ Serious Eye Damage/Irritation 2A, H319; Acute Toxicity (Oral) 5, H303; Acute Toxicity (Dermal) 5, H313; Acute Toxicity (Inhalation) 5, H333; Skin Corr. 3, H316	7.410%
CAS: 1330-20-7	Xylene ⚠ Flammable Liquids 3, H226; ⚠ Toxic To Reproduction 2, H361; STOT SE 2, H371; ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Serious Eye Damage/Irritation 2A, H319; Skin Corr. 3, H316; Aquatic Chronic 4, H413	2.720%
CAS: 108-67-8	Mesitylene ⚠ Flammable Liquids 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H335; Skin Corr. 3, H316; Aquatic Acute 2, H401	2.720%
CAS: 123-42-2	Diacetone alcohol, technical ⚠ Flammable Liquids 3, H226; ⚠ Serious Eye Damage/Irritation 2A, H319; Acute Toxicity (Oral) 5, H303; Acute Toxicity (Dermal) 5, H313; Acute Toxicity (Inhalation) 5, H333; Skin Corr. 3, H316	2.630%
CAS: 71-36-3	1-Butanol ⚠ Flammable Liquids 3, H226; ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315; STOT SE 3, H335-H336	2.060%

4. FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Harmful if inhaled. May cause irritation of the throat and chest tightness. May cause drowsiness or mental confusion.

Skin Contact: Harmful in contact with skin. Causes mild skin irritation.

Eye Contact: Causes serious eye irritation and redness.

Ingestion: Harmful if swallowed. May cause irritation and redness of the mouth and throat. May be fatal if swallowed and enters airways.

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5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include toxic fumes.

Product is highly flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents and strong acids. Suitable packaging material: Glass or coated steel. Do not use plastic containers.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

CAS: 108-10-1 2-Pentanone, 4-methyl-

WES	STEL: 307 mg/m ³ , 75 ppm
	TWA: 205 mg/m ³ , 50 ppm

CAS: 78-93-3 2-Butanone

WES	STEL: 890 mg/m ³ , 300 ppm
	TWA: 445 mg/m ³ , 150 ppm
	bio

CAS: 1330-20-7 Xylene

WES	TWA: 217 mg/m ³ , 50 ppm
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CAS: 123-42-2 Diacetone alcohol, technical	
WES	TWA: 238 mg/m ³ , 50 ppm
CAS: 71-36-3 1-Butanol	
WES	Ceiling limit: 150 mg/m ³ , 50 ppm skin

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Protective gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Liquid
Colour:	Clear
Odour:	Pungent
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	128 °C
Flash Point:	14.5 °C
Flammability:	Highly flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density:	0.875
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble
Solubility in Solvents:	Soluble in most organic solvents.
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	Viscous

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10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Strong oxidising agents and strong acids.

Hazardous Decomposition Products: Toxic fumes.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

CAS: 108-10-1 2-Pentanone, 4-methyl-

Oral	LD ₅₀	2,080 mg/kg (rat)
Dermal	LD ₅₀	16,000 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	8.3-16.6 mg/l (rat)

CAS: 95-63-6 Benzene, 1,2,4-trimethyl-

Oral	LD ₅₀	5,000 mg/kg (rat)
Dermal	LD ₅₀	3,160 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	18 mg/l (rat)

CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD ₅₀	>6,800 mg/kg (rat)
Dermal	LD ₅₀	>3,400 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	>10.2 mg/l (rat)

CAS: 78-93-3 2-Butanone

Oral	LD ₅₀	3,300 mg/kg (rat)
Dermal	LD ₅₀	5,000 mg/kg (rabbit)

CAS: 1330-20-7 Xylene

Oral	LD ₅₀	1,590 mg/kg (mouse)
		4,300 mg/kg (rat)
Dermal	LD ₅₀	2,000 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	6,350 mg/l (rat)

CAS: 108-67-8 Mesitylene

Oral	LD ₅₀	5,000 mg/kg (rat)
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CAS: 123-42-2 Diacetone alcohol, technical

Oral	LD ₅₀	4,000 mg/kg (rat)
Dermal	LD ₅₀	13,630 mg/kg (rabbit)

CAS: 71-36-3 1-Butanol

Oral	LD ₅₀	790 mg/kg (rat)
Dermal	LD ₅₀	3,400 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	8,000 mg/l (rat)

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Acute Health Effects**Inhalation:**

Harmful if inhaled. May cause irritation of the throat and chest tightness. May cause drowsiness or mental confusion.

Skin: Harmful in contact with skin. Causes mild skin irritation.

Eye: Causes serious eye irritation and redness.

Ingestion:

Harmful if swallowed. May cause irritation and redness of the mouth and throat. May be fatal if swallowed and enters airways.

Skin Corrosion / Irritation: Causes mild skin irritation.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Methyl isobutyl ketone is classified by IARC as Group 2B - Possibly carcinogenic to humans.

Xylenes is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause damage to organs.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to terrestrial vertebrates.

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

CAS: 108-10-1 2-Pentanone, 4-methyl-

EC₅₀/48 h 170 mg/l (daphnia)

EC₅₀/96 h 400 mg/l (selenastrum capricornutum)

LC₅₀/96 h 600 mg/l (rainbow trout)

CAS: 95-63-6 Benzene, 1,2,4-trimethyl-

LC₅₀/96 h 7.19-8.28 mg/l (fathead minnow)

CAS: 78-93-3 2-Butanone

EC₅₀/48 h 308 mg/l (crustacea)

EC₅₀/72 h 1,972 mg/l (algae)

LC₅₀/96 h 2,993 mg/l (fish)

CAS: 1330-20-7 Xylene

EC₅₀ >1-10 mg/l (bacterial)

>1-10 mg/l (scenedesmus subspicatus)

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EC ₅₀ /48 h	3.1 mg/l (daphnia)
LC ₅₀	86 mg/l (leuciscus idus)
CAS: 108-67-8 Mesitylene	
EC ₅₀ /24 h	50 mg/l (daphnia)
LC ₅₀ /96 h	9.89-15.05 mg/l (goldfish)
CAS: 71-36-3 1-Butanol	
EC ₅₀ /48 h	1,328 mg/l (daphnia)
EC ₅₀ /96 h	225 mg/l (senastrum capricornutum)
LC ₅₀ /96 h	1,376 mg/l (fathead minnow)

Persistence and Degradability: Biodegradable**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.**Mobility in Soil:** Readily absorbed into soil.**Other adverse effects:** No further relevant information available.

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number	
NZS 5433	UN1263
IMDG, IATA	UN1263
Proper Shipping Name	
NZS 5433	PAINT
IMDG, IATA	PAINT
Dangerous Goods Class	
NZS 5433	3 Flammable liquids.
IMDG Class:	3 Flammable liquids.
Packing Group:	
NZS 5433	II
IMDG, IATA	II
EMS Number:	F-E, <u>S</u> -E
Hazchem Code:	3YE
Special Provisions:	163
Limited Quantities:	5L
Excepted quantities (EQ)	E2
Packagings & IBCs - Packing Instruction:	P001, IBC02
Packagings & IBCs - Special Packing Provisions:	PP1
Portable Tanks & Bulk Containers - Instructions:	T4

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Portable Tanks & Bulk Containers - Special Provisions:

TP1, TP8, TP28

15 . REGULATORY INFORMATION

HSNO Approval Code / Group Standard:

Surface Coatings and Colourants (Flammable) Group Standard 2017

HSNO Approval Number: HSR002662.

New Zealand Inventory of Chemicals

All ingredients are listed.

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 02.10.2018**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

WES: Workplace Exposure Standard

Flammable Liquids 2: Flammable liquids – Category 2

Flammable Liquids 3: Flammable liquids – Category 3

Flammable Liquids 4: Flammable liquids – Category 4

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Acute Toxicity (Oral) 5: Acute toxicity – Category 5

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Skin Corr. 3: Skin corrosion/irritation – Category 3

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Toxic To Reproduction 2: Reproductive toxicity – Category 2

STOT SE 2: Specific target organ toxicity (single exposure) – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aspiration Hazard 1: Aspiration hazard – Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment, long-term (Chronic). Category 4

Disclaimer

This SDS is prepared in accord with the New Zealand Chemical Industry Council document 'Code of Practice (No. HSNO CoP 8-1 09-06)'.

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. GMR Imports makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.