

SAFETY DATA SHEET

UNCONTROLLED COPY

REDUCTEUR H-72

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Issued by: EHI (Australia) Pty Ltd

1. IDENTIFICATION

GHS Product Identifier

REDUCTEUR H-72

Company Name

EHI (Australia) Pty Ltd

Address

29 Excellence Drive Fax:

Wangara,

WA 6975 AUSTRALIA

Telephone/Fax Number

Tel: (08) 9406 6333 (office hours)

Fax: (08) 9406 6331

Emergency phone number

13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

Recommended use of the chemical and restrictions on use

Lubricant.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Signal Word (s)

DANGER

Hazard Statement (s)

H223 Flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

Precautionary Statement (s)

P102 Keep out of reach of children.

Pictogram (s)

Flame, Exclamation mark

**Precautionary statement – Prevention**

P210 Keep away from heat/sparks/open flames/hot surfaces. – 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.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P281 Use personal protective equipment as required.

Precautionary statement – Response

P312: Call a POISON CENTRE or doctor if you feel unwell.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P372: Explosion risk in case of fire.

P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, water fog. Water fog or fine spray is the preferred medium for large fires.

Precautionary statement – Storage

P403+P235 Store in a well-ventilated place. Keep cool.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Precautionary statement – Disposal

P501: 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.

Other Information

Risk Phrases: R11, R67. Highly flammable. Vapours may cause drowsiness and dizziness.

Safety Phrases: S2, S9, S16, S23, S25, S36, S51. Keep out of reach of children. Keep container in a well ventilated place. Keep away from sources of ignition - No smoking. Do not breathe spray mists. Avoid contact with eyes. Wear suitable protective clothing. Use only in well ventilated areas.

Emergency Overview

Physical Description & colour: Clear orange coloured liquid.

Odour: Aromatic odour.

Major Health Hazards: no significant risk factors have been found for this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition

Liquid component is a mixture of aliphatic hydrocarbon (de-aromatised) and ethoxylated alcohol.

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

Ingredients

Name	CAS	Proportion
Alkanes, C3- 4	68475- 59- 2	35 %
Other non hazardous ingredients	Secret	To 100%

4. FIRST-AID MEASURES

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.

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.

Skin

Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye contact

No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.

Specific Methods

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.

Specific Hazards Arising From The Chemical

This product is classified as a C1 combustible product. 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. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. 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.

Hazchem Code

2YE

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

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.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 (EXPOSURE CONTROLS/PERSONAL PROTECTION) 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 (STABILITY AND REACTIVITY).

Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area, and 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 probably require a license to do so. If you have any doubts, we suggest you contact your licensing authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls, 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.

Occupational exposure limit values

Ingredients: Alkanes, C3-4

TWA (mg/m³): 1900

STEL (mg/m³): not set

Ingredients: Other non hazardous ingredients
TWA (mg/m³): not set
STEL (mg/m³): not set

The 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 should not be exceeded for more than 15 minutes and should not be repeated for 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.

SWA Exposure Limits: Alkanes, C3-4
TWA (mg/m³): 1900
STEL (mg/m³): not set

Appropriate Engineering Controls

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

Respiratory Protection

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

Eye Protection

Eye protection such as protective glasses or goggles is recommended when this product is being used.

Personal Protective Equipment

Protective Material Types: There is no specific recommendation for any particular protective material type.

Body Protection

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Clear orange coloured liquid.

Odour

Aromatic odour.

Boiling Point

196-237°C at 100kPa

Solubility in Water

Insoluble.

Specific Gravity

No data.

Vapour Pressure

No data.

Vapour Density (Air=1)

No data.

Evaporation Rate

No data.

Coefficient Water/Oil Distr.

No data

Odour Threshold

No data.

Volatile Component

No specific data.

Flash Point

Propellant gas is highly flammable; liquid is combustible.

Flammability

Flammability Class: C1

Auto-Ignition Temperature

No data.

Flammable Limits - Lower

Not available

Flammable Limits - Upper

Not available

Melting/Freezing Point

No specific data. Liquid at normal temperatures.

Other Information

Volatility: No data.

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

This product should be kept in a cool place, preferably below 30°C. Keep away from sources of sparks or ignition. Any electrical equipment in the area of this product should be flame proofed.

Incompatible materials

Strong oxidising agents.

Hazardous Decomposition Products

Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.

Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Hazardous Polymerization

This product is unlikely to undergo polymerisation processes.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

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

CLASSIFICATION OF HAZARDOUS INGREDIENTS

Ingredient Risk Phrases

No hazardous ingredients present in hazardous concentrations.

Ingestion

Short term exposure: Available data shows that this product is not harmful. This product is unlikely to cause any irritation problems in the short or long term.

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

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

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

Short term exposure: Available data shows that this product is not harmful. 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.

Carcinogenicity

Carcinogen Status:

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

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

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

12. ECOLOGICAL INFORMATION

Ecological information

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

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Dispose of small quantities and empty containers by wrapping with paper and putting with domestic garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

14. TRANSPORT INFORMATION

U.N. Number

1950

UN proper shipping name

AEROSOLS

Transport hazard class(es)

2.1

Hazchem Code

2YE

EPG Number

2D1

IERG Number

49

Other 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.

Packaging Group: Not set

Packaging Method: P003

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.

15. REGULATORY INFORMATION

Poisons Schedule

Not Scheduled

Symbol

F+, Highly Flammable.

Australia (AICS)

This product is compliant with NICNAS regulations.

16. OTHER INFORMATION

Other Information

Chemical nature: Mixture of aliphatic hydrocarbon (de-aromatised) and ethoxylated alcohol.

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

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 (7th 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

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

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

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END OF SDS

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