

Material Safety Data Sheet



Fire Engineering
Pty Limited

Hitron

1. IDENTIFICATION OF THE SUBSTANCE AND THE SUPPLIER

Product name: Hitron
Synonyms:
CAS-No.:
Molecular Formula:
Supplier: Orion Fire Engineering Pty Limited
ACN: 002 538 696
Street Address: 26A Lyn Parade
Prestons NSW
Australia
Telephone: + 61 2 9426 7900
Facsimile: + 61 2 8783 5400
Emergency telephone number: None

2. HAZARDS IDENTIFICATION

Based on available information, this material may be classified as hazardous according to health criteria of Worksafe Australia. Insufficient data is available to state otherwise. Hazard Category Xi

Risk Phrases

R36/38 Irritating to eyes and skin

Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for transport by Road and Rail.

Poisons Schedule (Aust)/Toxic Substance (NZ): None allocated

Safety Phrases

S26 In case of contact with eyes rinse immediately with plenty of water and contact a doctor or the Poisons Information Centre.

ORION FIRE ENGINEERING PTY LIMITED

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended use: Fire fighting foam concentrate for use with medium and high expansion foam generators for fire fighting.

Appearance: Clear Viscous yellow liquid.

CHEMICAL ENTITY	CAS NO.	PROPORTION
Dipropylene glycol mono butyl ether	9911282	Low
Diethylene glycol mono butyl ether	112-34-5	Low
Hydrocarbon Surfactant Blend		Medium
Sodium Lauryl Sulphate	689550-19-1	Low
Water	7732-18-5	VHIGH 100%

VHIGH >60, HIGH 30-60, MED 10-29, LOW 1-9, VLOW <1

Proportions above are the maximum for that component.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

4. FIRST AID MEASURES

Ingestion: Rinse mouth with water. Give water to drink. Seek medical advice.

Eye contact: Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Skin contact: Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

Inhalation: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air and seek medical attention.

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Specific hazards: Non-combustible.

Fire fighting further advice: Not combustible, however following evaporation of aqueous component residual material can burn if ignited. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Suitable extinguishing media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

For large spills: Contain - prevent run off into drains and waterways. Use absorbent (soil or sand, inert material).

Collect and seal in properly labelled drums for disposal.

For small spills: Collect in container for disposal. Refer disposal section for suggested disposal methods.

7. HANDLING AND STORAGE

Storage: Store in a cool place out of direct sunlight. Keep containers closed at all times - check regularly for leaks.

Minimum/Maximum Storage Temperature: +5 to 40 Degrees C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

occupational exposure limits

No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).

Engineering measures: Keep containers closed when not in use.

Personal protection equipment: Use safety glasses with side shields and chemical resistant gloves.

Keep out of reach of children. Avoid eye contact and repeated or prolonged skin contact. Always wash hands before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Viscous yellow liquid.

Solubility: Miscible in water.

Specific Gravity (20 C): 1.02-1.04

Melting Point (C): N App

Rel Vapour Density (air=1): N Av

Boiling Point (C): N Av

Vapour Pressure (20 C): N Av

Decomp. Point (C): N Av

Flash Point (C): N App

Sublimation Point: N App

12. ECOLOGICAL INFORMATION

Flammability Limits (%): N App

pH: 7-8

Autoignition Temp (C): N App

Viscosity: N Av

% Volatile by volume: >70%

Evaporation Rate: N Av

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Solubility in water (g/L): Miscible (n-Butyl acetate=1)

(Typical values only - consult specification sheet)

N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Stability: Will not polymerise. Know known stability issues.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Ingestion: No adverse effects expected, however large amounts may cause nausea, diarrhoea and vomiting.

Eye contact: May be an eye irritant.

Skin contact: Contact with skin may result in irritation.

Inhalation: Not an expected exposure route.

Long Term Effects:

No information available for product.

Acute toxicity / Chronic toxicity

No LD50 data available for product.

13. DISPOSAL CONSIDERATIONS

Avoid contaminating sewers or drains.

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG) for transport by Road and Rail.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

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Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Based on available information, this material is not classified as hazardous according to health criteria of Worksafe Australia.

Poisons Schedule (Aust)/Toxic Substance (NZ): None allocated

16. OTHER INFORMATION

Safety Data Sheets are updated regularly. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. Orion Fire cannot control how this product is used in the workplace.

This MSDS applies to the fire fighting concentrate as supplied by Orion Fire Engineering. Once the concentrate is mixed with water for fire fighting the product is substantially diluted as are the risks of exposure.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Orion Fire Engineering Pty Limited.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

CONTACT NUMBER +61 2 9426 7900 (during working hours)

END OF MSDS