

Nowa Australia PTY LTD

44 Brady St Virginia SA 5120

Last update: 07-February, 2018

SAFETY DATA SHEET (GHS Compliant Non Hazardous pg 6) Page 1 of 6.

PRODUCT NAME: **Master HI-EX 1-2%**
Classified as non-hazardous according to criteria of NOHSC &
GHS Compliance
ISSUE DATE: 07.February 2018

1. PRODUCT AND COMPANY IDENTIFICATION.

PRODUCT NAME: Master HI-EX
RECOMMENDED USE: Fire fighting foam: For usage on Class A Combustible Solids.
Class B Polar Solvent and Non,Polar solvent Based combustible
liquids. Where a heavier foam blanket and higher expansion ratio
is required for areas requiring total oxygen depletion.

Master HI-EX is manufactured to produce,
a rapid expanding and full bodied foam blanket which was designed to produce a thick creamy like
texture, up to 300:1 expansion. There after decreasing in body gradually after 300:1 up to 2000:1 foam
blanket is non Newtonian lighter but stable at the 2000:1 maximum expansion point. The heavy blanket
produced when lower expansion levels are required 300:1 – 800:1 also make this product suitable for
containment lock down of hazardous materials and is the most humane product due to lower oxygen
saturation in foam blanket 300:1- 800:1 for agricultural epidemics, where eradication operations and
hazardous materials require temporary containment until- correct containment operations can be
implemented.

EQUIPMENT: Product is designed for usage with conventional medium to high expansion foam
generating apparatus. Product is also designed to generate an adequate
foam blanket with nozzle foam aspirating attachments.

PROPORTION RATIO: 1-2% Variable.

COMPANY NAME: Nowa Australia Pty Ltd.
ADDRESS: 44 Brady Street, Virginia
South Australia, Australia, 5120.
PHONE: 08-8380-9976 (in Australia).
61-8-8380-9976 (International).
FAX: 08-8380-9977 (in Australia).
61-8-8380-9977 (International).
24 HOUR EMERGENCY: 0418-825-300 (in Australia).
+61-418-825-300 (International).

2. COMPOSITION / INFORMATION ON INGREDIENTS.

INFORMATION ON COMPOSITION: Fire fighting foam based on water-soluble detergents.

INGREDIENTS:	NAME:	PROPORTION:
	Non-ionic Surfactant	= 10.
	Anionic detergent blend	= 31.
	Glycol ether solvent	= 10.
	Corrosion inhibitor	= 0.30.
	PFOA-PFOS	>N/A
	Xanthum Gum	= 0.10.

3. HAZARD IDENTIFICATION.

NOTES: Classified as non-hazardous according to the criteria of NOHSC. Not classified as a dangerous good according to the ADG code.

RISK PHRASES: R 36 Irritating to eyes.
SAFETY PHRASES: S 2 Keep out of reach of children.
S 24 / 25 Avoid contact with skin and eyes.

HAZARD CATEGORY: Nil.
SYMPTOMS AND EFFECTS: May dry skin on prolonged contact.
OTHER HAZARD INFORMATION: Nil.

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4. FIRST AID MEASURES.

INHALATION: Remove person to fresh air. Investigate possible misuse of material. Seek medical attention.

INGESTION: Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.

EYES: Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Remove contact lenses. Seek immediate medical assistance.

SKIN: Wash affected areas with water.

FIRST AID FACILITIES: Normal washroom facilities.

ADVICE TO DOCTOR: Treat symptomatically.

5. FIRE FIGHTING MEASURES.

FIRE HAZARDS: Nil.

CONDITIONS OF FLAMMABILITY: Not flammable under normal conditions of use.

SUITABLE EXTINGUISHING MEDIA: Product is a fire-extinguishing agent.

SPECIFIC HAZARDS: Nil.

FLASH POINT: Product is not flammable.

LOWER FLAMMABLE LIMIT: Product is not flammable.

UPPER FLAMMABLE LIMIT: Product is not flammable.

FIRE FIGHTING PROCEDURES: Wear full protective clothing, including helmet, overalls, rubber boots, eye goggles, self contained, positive pressure or positive pressure demand self contained breathing apparatus.

CONNECTION WITH FIRE: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from fire area.

6. ACCIDENTAL RELEASE MEASURES (SPILL).

SPILLS AND DISPOSAL: Contain and collect by using absorbent material. Small spills may be flushed to the sewer. Clean up residue with water. Dispose off to landfill.

7. HANDLING AND STORAGE.

HANDLING: Repeated or prolonged exposure to the concentrate without personal protection should be avoided in order to lessen the possibility of disorders. It is essential that all who come in contact with this material maintain good standards of personal hygiene. For example: washing hands prior to eating, drinking or going to the toilet.

STORAGE: Keep container closed and bung in place. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Store at room temperature. Do not store containers on their sides.

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8. EXPOSURE CONTROLS, PERSONAL PROTECTION.

EXPOSURE LIMITS: No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However as with all chemical, exposure to concentrate should be kept to the least possible levels.

RESPIRATORY PROTECTION: Approved respirator recommended. Not normally required under normal conditions of use.

EYE PROTECTION: Safety goggles or glasses.

HAND PROTECTION: Neoprene or rubber gloves recommended. Incidental skin contact is not harmful.

BODY PROTECTION: Overalls and rubber boots recommended.

OTHER INFORMATION: No Biological Limit Value allocated. As a precaution against accidental ingestion, wash hands after handling and before eating. Do not ingest.

9. PHYSICAL AND CHEMICAL PROPERTIES.

APPEARANCE: Clear water, white to light yellow medium viscosity liquid.

ODOR:	Slight glycol.
BOILING POINT:	100 °C.
SOLUBILITY IN WATER:	Completely soluble.
SPECIFIC GRAVITY (Water = 1):	1.015 @ 20°C.
PHYSICAL STATE:	Liquid.
pH	7.5 @ 20°C.
LOWER FLAMMABLE LIMIT:	Product is not flammable.
UPPER FLAMMABLE LIMIT:	Product is not flammable.
FLASH POINT:	Product is not flammable.
FLAMMABILITY:	Product is not flammable.

10. STABILITY AND REACTIVITY.

STABILITY:	Stable under normal conditions of storage and handling.
HAZARDOUS POLYMERIZATION:	Will not occur.
MATERIALS TO AVOID:	Strong oxidising agents.
DECOMPOSITION PRODUCTS:	None known.
HAZARDOUS REACTION:	Not a fire hazard.

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11. TOXICOLOGICAL INFORMATION.

TOXICOLOGY INFORMATION:	N/A.
INHALATION:	Ingredients are considered non-hazardous when used as directed.
INGESTION:	Not a likely source of exposure, however, moderate quantities of concentrate may cause irritation. Potential symptoms include nausea, diarrhoea, abdominal pain and vomiting.
SKIN:	May cause skin irritation if prolonged contact with the concentrate occurs, which can result in redness, itchiness, swelling and possibly lead to dermatitis. Continual exposure to dilute solutions will cause loss of natural skin oils, and drying of skin.
EYE:	The concentrate is considered an eye irritant. May cause eye soreness.
CHRONIC EFFECTS:	No known adverse affects.

12. ECOLOGICAL INFORMATION.

MOBILITY: No data is available for this product.
PERSISTENCE: No data is available for this product.
DEGRADABILITY: Fully biodegradable.
BIOACCUMULATION: None Found
ECOTOXICITY: Tested in accordance with USDA Forest Service Specifications within limits.
ENVIRONMENTAL EFFECTS: Product is tested in accordance with USDA Forest Service within Specifications, no Environmental impact and Environmentally Friendly.

13. DISPOSAL CONSIDERATIONS.

HANDLING FOR DISPOSAL: Wear safety goggles or glasses, Neoprene or rubber gloves recommended. Incidental skin contact is not harmful. Overalls and rubber boots recommended.
METHOD OF DISPOSAL: Disposal of waste according to federal, EPA, state and local regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION.

U.N. NUMBER: None allocated.
PROPER SHIPPING NAME: Master HI-EX
DG CLASS: None allocated.
HAZCHEM CODE: None allocated.
PACKING GROUP: None allocated.
EPG NUMBER: None allocated.
IERG NUMBER: None allocated.

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PRODUCT NAME: **Master HI-EX**

15. REGULATORY INFORMATION.

SAFETY PHRASE: Keep out of reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear safety goggles or glasses, Neoprene or rubber gloves recommended. Overalls and rubber boots recommended. Consult Material Safety Data Sheet.
POISONS SCHEDULE: Nil.
AICS (AUSTRALIA): All ingredients are listed in the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION.

ADDITIONAL NOTES OR REFERENCE:

ABBREVIATIONS: N/A: Not available.
AICS: Australian Inventory of Chemical Substances.
MSDS: Material Safety Data Sheet.
NOHSC: National Occupational Health and Safety Commission.

ADG code: Australian Code for the Transport of Dangerous Goods by Road and Rail.
SDS: Safety Data Sheet.

This SDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

CONTACT PERSON: Manager: Nowa Australia Pty Ltd.
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MSDS HISTORY: MSDS Creation: 10TH June 2010.
REASON FOR REISSUE: To establish MSDS in "508 accessibility"
Recreation to Safety Data Sheet as per current regulatory standards. 07-02-2018

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SDS CONTINUED Updated information.

IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product name: Master HI-EX

CAS number: - 68585-34-2

Recommended use: Fire Fighting Foam- Extinguishing Agent.

Restrictions on use: None can be used in all areas of fire fighting as approved by local and international authorities.

Manufacturer details: Refer page 1.

Emergency Poisons contact see below,
Telephone number: Poisons information centre 13 11 26
Nowa Australia PTY-LTD 0418825300 (24HRS) Manufacturer.
24 Hour Duty officer specialist advice,
+61-4188-25300

GHS classification- Non Hazardous fire fighting agent

Ingestion: Mild irritant_ no category
Skin Irritation: Mild irritant_ no category
Inhalation: Mild irritant_ no category

Carcinogenicity- Nil- totally Organic bio- degradable matter

Pictograms-



Signal word – Mild Irritant not classified

Hazard statements:

None available due to mild nature of product.

Precautionary
Statements:

Prevention p233: Keep container firmly closed to prevent spillage
Refer page 1-5 for additional information.

Document prepared by,
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