



S A F E T Y D A T A S H E E T

Foam Crusher

1. PRODUCT & COMPANY IDENTIFICATION

Product Identification/Name:	Foam Crusher
Product Use:	Antifoamer agrochemical industry
Company Identification:	Rainbow & Brown Limited 68A Tallyho Street, Rotorua, New Zealand PO Box 10049, Mail Centre, Rotorua, 3046
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National Poisons Centre	0800 764 766
Website:	www.rainbowbrown.co.nz
Date of Issue:	24 August 2021
Latest Revision Date:	24 August 2021

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture (HSNO):	6.4A – Eye irritant 6.5B – Mild skin irritant
Classification of the substance or mixture (GHS):	Serious eye damage/eye irritation Category 2b Respiratory or skin sensitisation Category 1 Skin irritation Category 3
Label Elements:	
Pictogram	
Signal Word	WARNING
Hazard Statements	H315: Cause skin irritation H320: Causes eye irritation

Disposal:	P403: Store in a well-ventilated place P402+P404: Store in a dry place. Store in a closed container P411+P235: Store at temperatures not exceeding 40 °C/104°F P501: Dispose of contents/container in accordance with local/regional/national/ international regulation.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Foam Crusher is a proprietary blend of polysiloxane, modified polysiloxane, silicon resin, silica, dispersing agent, and stabilizing agent and water. Foam Crusher is dispersible in 25 °C/ 77 °F tap water. Foam Crusher is a White or light yellow liquid. Foam Crusher is not flammable, non-explosive, and has no oxidizing properties. All components of Foam Crusher are listed in the TSCA inventory.

Main Component	CAS Number	Weight
PDMS	9006-65-9	25-40
Polyether -Modified Polydimethylsiloxane	64365-23-7	15-30
Acrylic Acid Homopolymer	9003-01-4	1-5
Water	7732-18-5	48-55

4. FIRST AID MEASURES

Eye Contact:	Rinse thoroughly with water for at least 15 minutes and consult a physician.
Skin:	Thoroughly wash off of the skin with soap and water. Consult a physician.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse out mouth with water. Consult a physician.
Inhalation:	If vapors or mist is inhaled, move person into fresh air. If the person is not breathing give artificial respiration. Consult a physician.
Advice to Doctor:	Consult a physician. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Point:	Not applicable
Flammable Limits:	Not flammable
Extinguishing Media:	Regular foam, Carbon Dioxide, Dry Chemical. Avoid using streaming water, as this may spread the fire.
Fire & Explosion Hazards:	Carbon Oxide Silicon Dioxide.
Fire Fighting Equipment:	Wear self-contained breathing apparatus for firefighting if necessary.
Fire Fighting Instructions:	NA

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Use personal protective equipment. Avoid contact with skin, eyes, clothing, and breathing vapours. Ensure adequate ventilation.
Spills:	Do not let product enter drains. Stop all leakage as soon as possible. Contact local authorities if there is a significant spill. In case of a large spill, contain the leak by damming up and collecting product by pumping into a clean container. Product must be disposed in accordance with local and national regulations. For small spills, soak up with an inert absorbent material and flush the remainder away with water.

7. HANDLING AND STORAGE

Label:	N/A
Handling:	Avoid contact with skin and eyes. Provide appropriate exhaust and ventilation at places where the product is stored and used. Use normal measures for preventative fire protection.
Storage:	Keep container tightly closed and in a dry location between 5 °C/41 °F and 40 °C/104 °F and well ventilated for storage or use.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines:	Contains no substances having occupational exposure limits.
Engineering Controls:	Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the work day.
Respiratory Protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator
Skin Protection:	Handle with gloves – neoprene, butyl or nitrile rubber with cuffs. Gloves must be inspected prior to use. Use proper glove remove technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.
Eye Protection:	Safety glasses with side-shields for eye protection
Dust:	NA

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White or yellowish uniform liquid emulsion, without any sediment and mechanical impurities
Odour:	Mild smell
Odour Threshold:	No data available
Boiling Point:	NA
Melting point:	Greater than 32 °F/0 °C
Freezing point:	Less than 32 °F/0 °C
pH:	6.0 ~ 8.5
Solubility:	Dispersible in water
Evaporation rate:	No data available
Flash Point:	Greater than 212 °F/100 °C

Flammability:	No data available
Explosive Properties	No data available
Vapour Pressure:	No data available
Decomposition Temperature:	No data available
Autoignition Temperature:	No data available
Density:	0.90 to 1.10
Oxidizing Properties:	Not an oxidizer
Viscosity:	NA
Partition Coefficient – n-Octanol/Water	No data available

10. STABILITY AND REACTIVITY

Stability:	Stable.
Reactivity:	Not reactive under normal conditions of use. This product is stable under the recommended storage conditions
Conditions to Avoid:	Strong oxidizers and extreme temperatures
Incompatibility:	Avoid strong acids and alkali. Avoid strong oxidizing and reducing compounds
Hazardous Decomposition Products:	Carbon Oxides Silicon Dioxide.
Hazardous Polymerisation:	NA

11. TOXOLOGICAL INFORMATION

ACUTE EFFECTS:	
Acute Effects: Ingestion:	No data available
Acute Effects: Inhalation:	No data available
Acute Effects: Skin:	No data available
Acute Effects: Eye:	Irritating to eyes. Repeated contact with this product will cause skin irritation.
Sensitisation:	Hair sensitisation
CHRONIC EFFECTS:	
Carcinogenicity,	IARC: No component of this product is present at levels greater than or equal to 0.1% is identified as

	probable, possible, or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Mutagenicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Persistence/degradability:	No data available
Bioaccumulation:	No data available
Soil toxicity:	No data available
Terrestrial vertebrates:	No data available.
Terrestrial invertebrates:	No data available.
Mobility in Soil:	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/conducted
Other adverse effects	This product can be harmful to aquatic life. Do not rinse down drains or release into the environment. Report all significant spills and leaks to the proper authorities

13. DISPOSAL CONSIDERATIONS

Disposal Method:	Not classified as a hazardous waste. Dispose product according to local and national regulations. Offer surplus and non-recyclable containers to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
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	Dispose product according to local and national regulations
Container Disposal:	Properly dispose of as unused product. Rinse package before disposal. Dispose of rinse water in accordance with local and national regulations.

14. TRANSPORT INFORMATION

Dangerous Goods Classification:	Not a hazardous material
Shipping Name:	N/A
Class:	N/A
UN Number:	N/A
Packaging group:	N/A
Marine Pollutant:	N/A
EmS Code:	N/A
Packaging Method:	Bulk, non-returnable totes, drums, metal bucket with plastic liner, or IBC. Handle with care and avoid exposure to rain.

15. REGULATORY INFORMATION

ACVM Registration No:	N/A
EPA Approval No:	HSR0002503
Assignment Description:	Not required
Certified Handler:	Not required
Tracking:	Not required
Compliance Certificate:	Not required
Quantity that must be secured:	Not required
Emergency Response Plan:	Not required
Secondary Containment:	Not required
Signage:	Not required
Fire Extinguishers:	No fire extinguisher requirement specified.
Training requirements:	Not required

16. OTHER INFORMATION

Glossary	
AEL	Acceptable Exposure Limit
DT₅₀	Time (days) for 50% loss
EC₅₀	Median effective concentration
EEL	Environmental Exposure Limit
EPA	Environment Protection Authority
GHS	Globally Harmonised System
HSNO	Hazardous Substances & New Organisms Act
Koc	Organic carbon partition coefficient
LFL	Lower Flammability Limit
LC₅₀	Lethal Concentration in air or water for 50% of test organisms
LD₅₀	Lethal Dose for 50% of test organisms
NOEL	No Observable Effect Level
OSHA	Occupational Safety & Health Administration (USA)
OSH or Worksafe	Worksafe New Zealand
PEL	Permissible Exposure Level
Pow	Octanol water partition coefficient (ratio of concentration of a chemical in octanol and water at equilibrium and at a specified temp.)
pH	Measure of acidity/alkalinity of a substance on a 1-14 scale (1=strong acid, 14 = strongly alkali)
STEL	Short Term Exposure Limit
TEL	Tolerable Exposure Limit
TLV	Threshold Limit Value – an exposure limit set by a competent authority
TWA	Time Weighted Average – average concentration of a chemical in air over a total exposure time (usually 8 hours)
UFL	Upper Flammability Limit
WES	Workplace Exposure Standard – set by WorkSafe NZ

The data in this Safety Data Sheet relates only to this product alone, and not to its use in combination with other substances or products. In such circumstances, assuming the combination is permitted (refer to product labels, and contact manufacturer if in doubt), be

guided by the most hazardous of the substances involved and observe the more stringent of all hazard controls applicable to the products used.

Date of Safety Data Sheet: 24 August 2021

Reason for Revision: V1.0 Review and update to new legislative requirements.

Revision 1.1: 14th September 2021 – update to HSNO category to match the GHS category H320

Further Information: Rainbow & Brown Limited
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