



SAFETY DATA SHEET
SNOW FOAM

SECTION 1: Identification of the substance/mixture and of the company/undertaking

<u>1.1. Product identifier</u>	
Product Name	SNOW FOAM
Internal ID	MTS 0016
<u>1.2. Relevant identified uses of the substance or mixture and uses advised against</u>	
Identified uses	Cleaning agent
Uses advised against	Use only for intended applications.
<u>1.3. Details of the supplier of the safety data sheet</u>	
Supplier	Motor Trade Supplies Ltd Unit 5 Preston Nurseries Weghill Road Hull HU12 8SX +44 (0) 7778 411 723 sales@mtsproducts.co.uk
<u>1.4. Emergency telephone number</u>	
Emergency telephone	+44 (0) 7778 411 723 Opening Hours 9 am - 4 pm (Monday - Friday)

SECTION 2: Hazards identification

<u>2.1. Classification of the substance or mixture Classification (EC 1272/2008)</u>	
Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319
Environmental hazards	Not Classified
<u>2.2. Label elements</u>	
Hazard Pictograms	
Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.

Precautionary statements	P280 Wear protective gloves, eye and face protection. P501 Dispose of contents/ container in accordance with national regulations.
Detergent labelling	< 5% amphoteric surfactants, < 5% cationic surfactants, < 5% EDTA and salts thereof, < 5% non-ionic surfactants
2.3. Other hazards	
This product does not contain any substances classified as PBT or vPvB.	

SECTION 3: Composition/information on ingredients

3.1. Mixtures

2-(2-BUTOXYETHOXY)ETHANOL	1-5%
CAS number: 112-34-5 EC number: 203-961-6 REACH registration number: 01- 2119475104-44-xxxx	
Classification Eye Irrit. 2 - H319	
COCO AMIDO PROPYL BETAINE	1-5%
CAS number: 61789-40-0 EC number: 931-296-8 REACH registration number: 01- 2119488533-30-xxxx	
Classification Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	1-5%
CAS number: 64-02-8 EC number: 200-573-9 REACH registration number: 01- 2119486762-27-XXXX	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318 STOT RE 2 - H373	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures	
General information	Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.
Skin contact	Rinse with water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if symptoms are severe or persist after washing.
4.2. Most important symptoms and effects, both acute and delayed	
Inhalation	Coughing, chest tightness, feeling of chest pressure.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	Causes serious eye irritation.

<u>4.3. Indication of any immediate medical attention and special treatment needed</u>	
Notes for the doctor	Treat symptomatically.

SECTION 5: Firefighting measures

<u>5.1. Extinguishing media</u>	
Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
<u>5.2. Special hazards arising from the substance or mixture</u>	
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO ₂). Nitrous gases (NO _x).
<u>5.3. Advice for firefighters</u>	
Protective actions during firefighting	No specific firefighting precautions known.

SECTION 6: Accidental release measures

<u>6.1. Personal precautions, protective equipment and emergency procedures</u>	
Personal precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Wash thoroughly after dealing with a spillage.
<u>6.2. Environmental precautions</u>	
Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
<u>6.3. Methods and material for containment and cleaning up</u>	
Methods for cleaning up	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not handle broken packages without protective equipment. Absorb spillage with inert, damp, non-combustible material. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.
<u>6.4. Reference to other sections</u>	
Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Usage precautions	Wear protective gloves, eye and face protection. Avoid contact with skin, eyes and clothing. Avoid release to the environment. Avoid contact with contaminated tools and objects. Do not handle broken packages without protective equipment. Do not reuse empty containers. Do not use in paint spraying equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store at temperatures between 4°C and 40°C.
Storage class	Chemical storage.

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls/Personal protection**8.1. Control parameters Occupational exposure limits**

2-(2-BUTOXYETHOXY)ETHANOL	Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m ³ Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m ³ WEL = Workplace Exposure Limit
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2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

DNEL	Industry - Inhalation; : 101.2 mg/m ³ Industry - Dermal; : 20 mg/kg/day Industry - Inhalation; : 67.5 mg/m ³ Consumer - Inhalation; : 34 mg/m ³ Consumer - Dermal; : 10 mg/kg/day Consumer - Oral; : 1.25 mg/kg/day
PNEC	Fresh water; 1 mg/l Marine water; 0.1 mg/l Sediment (Freshwater); 4 mg/kg Sediment (Marinewater); 0.4 mg/kg - Soil; 0.4 mg/kg STP; 200 mg/l

tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate (CAS: 51981-21-6)

DNEL	Workers - Inhalation; Long term systemic effects: 7.3 mg/m ³ Workers - Dermal; Long term systemic effects: 15,000 mg/kg/day General population - Inhalation; Long term systemic effects: 1.8 mg/m ³ General population - Dermal; Long term systemic effects: 7,500 mg/kg/day General population - Oral; Long term systemic effects: 1.5 mg/kg/day
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COCO AMIDO PROPYL BETAINE (CAS: 61789-40-0)

DNEL	Industry - Dermal; Long term systemic effects: 12.5 mg/kg/day Consumer - Dermal; Long term systemic effects: 7.5 mg/kg/day Industry - Inhalation; Long term systemic effects: 44 mg/m ³
PNEC	Fresh water; 0.0135 mg/l STP; 300 mg/l Soil; 0.8 mg/kg Sediment (Marinewater); 0.1 mg/kg Sediment (Freshwater); 1 mg/kg

	Marine water; 0.00135 mg/l
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)	
DNEL	Workers - Inhalation; Long term systemic effects, local effects: 1.5 mg/m ³ Workers - Inhalation; Short term systemic effects, local effects: 3 mg/m ³ Consumer - Inhalation; Long term local effects, systemic effects: 0.6 mg/m ³ Consumer - Inhalation; Short term local effects, systemic effects: 1.2 mg/m ³ Consumer - Oral; Long term systemic effects, local effects: 25 mg/m ³
PNEC	Fresh water; 2.2 mg/l Marine water; 0.22 mg/l Intermittent release; 1.2 mg/l STP; 43 mg/l Soil; 0.72 mg/kg

8.2. Exposure controls**Protective equipment****Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. The following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Protective gloves should have a minimum thickness of 0.15 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Neoprene. Rubber (natural, latex).

Hygiene measures

Wash hands after handling.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties	
Appearance	Clear Liquid
Colour	straw
Odour	Detergent
pH	pH (concentrated solution): 10.9
Relative density	1.04 @ 25°C
Solubility(ies)	Soluble in water.
9.1. Other information	
Other information	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity	
Reactivity	There are no known reactivity hazards associated with this product.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures and when used as recommended.
10.3. Possibility of hazardous reactions	
Stability	Not determined.
10.4. Conditions to avoid	
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
10.5. Incompatible materials	
Materials to avoid	Strong acids.
10.6. Hazardous decomposition products	
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO ₂). Nitrous gases (NO _x).

SECTION 11: Toxicological information

11.1. Information on toxicological effects	
Acute toxicity - oral	
ATE oral (mg/kg)	177,964.41
Acute toxicity - inhalation	
ATE inhalation (gases ppm)	1,124,775.04
ATE inhalation (vapours mg/l)	2,749.45
ATE inhalation (dusts/mists mg/l)	374.93
Acute toxicity - inhalation	
Notes (inhalation LC ₅₀)	Based on available data the classification criteria are not met. Read-across data.
Skin corrosion/irritation	
Extreme pH	Moderate pH (> 2 and < 11.5).
Inhalation	Coughing, chest tightness, feeling of chest pressure.
Ingestion	Causes serious eye damage. Read-across data.
Skin contact	
Eye contact	Based on available data the classification criteria are not met. Read-across data.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met. Read-across data.
Germ cell mutagenicity	
Genotoxicity - in vitro	Does not contain any substances known to be mutagenic.
Carcinogenicity	
Carcinogenicity	Does not contain any substances known to be carcinogenic.
Reproductive toxicity	

Reproductive toxicity - fertility	Does not contain any substances known to be toxic to reproduction.
Specific target organ toxicity - single exposure	
STOT - single exposure	Based on available data the classification criteria are not met. Read-across data.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Based on available data the classification criteria are not met. Read-across data.
Aspiration hazard	
Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.
Inhalation	Coughing, chest tightness, feeling of chest pressure.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	Causes serious eye irritation.
Toxicological information on ingredients.	
2-(2-BUTOXYETHOXY)ETHANOL	
Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	5,530.0
Species	Mouse
ATE oral (mg/kg)	5,530.0
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	
Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	2,001.0
Species	Rat
ATE oral (mg/kg)	2,001.0
Acute toxicity – dermal	
Acute toxicity dermal (LD₅₀ mg/kg)	2,001.0
Species	Rat
ATE dermal (mg/kg)	2,001.0
COCO AMIDO PROPYL BETAINE	
Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	2,001.0
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	
Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	1,780.0
Species	Rat
ATE oral (mg/kg)	1,780.0
Acute toxicity - inhalation	
Notes (inhalation LC₅₀)	
ATE inhalation (gases ppm)	11,250.0
ATE inhalation (vapours mg/l)	27.5
ATE inhalation (dusts/mists mg/l)	3.75

SECTION 12: Ecological information

Ecotoxicity	Not regarded as dangerous for the environment.
12.1. Toxicity Acute aquatic toxicity	
Acute toxicity - fish	Not determined.
Ecological information on ingredients.	
2-(2-BUTOXYETHOXY)ETHANOL	
Acute aquatic toxicity	
Acute toxicity - fish	LC50, 48 hours: 1820 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	NOEC, 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOEC, 96 hours: >100 mg/l, Scenedesmus subspicatus
tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	
Acute toxicity - fish	LC50, 96 hours: ~ 100 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: > 100 mg/l, Daphnia magna

COCO AMIDO PROPYL BETAINE	
Acute aquatic toxicity	
Acute toxicity - fish	LC50, 96 hours: 1.11 mg/l, Pimephales promelas (Fat-head Minnow) LC50, 96 hours: 1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)
Acute toxicity - aquatic invertebrates	EC50, 48 hours: 1.9 mg/l, Freshwater invertebrates EC50, : 0.3 mg/l, Freshwater invertebrates EC50, 48 hours: 21.5 mg/l mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC50, 48 hours: 30.0 mg/l, Marinewater algae
TETRASODIUM ETHYLENE DIAMINE TETRAACETATE	
Acute aquatic toxicity	
Acute toxicity - fish	LC50, 96 hours: > 100 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC50, 48 hours: >100 mg/l, Daphnia magna
12.2. Persistence and degradability	
Persistence and degradability The product is expected to be biodegradable.	
12.3. Bioaccumulative potential	
Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
12.4. Mobility in soil	
Mobility	The product is soluble in water.
12.5. Results of PBT and vPvB assessment	
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.
12.6. Other adverse effects	
Other adverse effects	Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Disposal methods	Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
Special Provisions note	
14.1. UN number	
UN No.	N/A
14.2. UN proper shipping name	
Proper shipping name	N/A
14.3. Transport hazard class(es)	
Hazard class	N/A
Transport labels	
N/A	
14.4. Packing group	
Packing group	N/A
14.5. Environmental hazards	
Environmentally hazardous substance/marine pollutant: No	
14.6. Special precautions for user	
Special precautions for user	N/A
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
National regulations	Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Control of Substances Hazardous to Health Regulations 2002 (as amended). Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010. Commission Regulation (EU) No 2015/830 of 28 May 2015.
Guidance	Workplace Exposure Limits EH40.
15.2. Chemical safety assessment	
No chemical safety assessment has been carried out.	
SECTION 16: Other information	
Abbreviations and acronyms used in the safety data sheet	ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. EC50: 50% of maximal Effective Concentration. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. LC50: Lethal Concentration to 50 % of a test population. NOEC: No Observed Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. UN: United Nations. vPvB: Very Persistent and Very Bioaccumulative.
Classification abbreviations and acronyms	Eye Dam. = Serious eye damage Eye Irrit. = Eye irritation Acute Tox. = Acute toxicity Aquatic Chronic = Hazardous to the aquatic environment (chronic) STOT RE = Specific target organ toxicity-repeated exposure
Revision comments	N/A
Revision date	01/10/20
Revision	1.0
Supersedes date	N/A
Hazard statements in full	H302 Harmful if swallowed. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H373 May cause damage to organs (Respiratory system, lungs) through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects.

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