



## SAFETY DATA SHEET

### Snow Storm Supreme

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

##### 1.1. Product identifier

Product name Snow Storm Supreme

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Vehicle Snow Foam. Pre-Soak Foaming Vehicle Cleaner.

Uses advised against This product is not recommended for any other purpose than stated above.

##### 1.3. Details of the supplier of the safety data sheet

Supplier A-CHEM LTD  
DUNSFORD ROAD  
MEADOW LANE INDUSTRIAL ESTATE  
ALFRETON  
DERBYSHIRE  
DE55 7RH  
www.achem.co.uk  
TEL: 01773 833881  
FAX: 01773 830616  
sales@achem.co.uk

Contact person Andrew Davis

##### 1.4. Emergency telephone number

Emergency telephone As Above - Opening Hours 9 am - 4 pm (Monday - Friday)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards Not Classified

##### 2.2. Label elements

###### Pictogram



Signal word Danger

Hazard statements H315 Causes skin irritation.  
H318 Causes serious eye damage.

## Snow Storm Supreme

<b>Precautionary statements</b>	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention.
<b>Contains</b>	TETRASODIUM ETHYLENE DIAMINE TETRAACETATE
<b>Detergent labelling</b>	≥ 30% anionic surfactants, 5 - < 15% amphoteric surfactants, 5 - < 15% non-ionic surfactants, < 5% EDTA and salts thereof
<b>Supplementary precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Anionic Surfactant</b>	<b>30-60%</b>
CAS number: 32612-48-9	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	-
Eye Irrit. 2 - H319	
<b>Non-ionic Surfactant</b>	<b>5-10%</b>
CAS number: —	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn;R22. Xi;R41.
Eye Dam. 1 - H318	
<b>Alkylamidopropylbetain</b>	<b>5-10%</b>
CAS number: —	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Eye Dam. 1 - H318	Xi;R41.
Aquatic Chronic 3 - H412	

## Snow Storm Supreme

<b>TETRASODIUM ETHYLENE DIAMINE TETRAACETATE</b>		<b>1-5%</b>
CAS number: 64-02-8	EC number: 200-573-9	REACH registration number: 01-2119486762-27-XXXX
<b>Classification</b> Met. Corr. 1 - H290 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22 Xi;R41	

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

<b>Inhalation</b>	Get medical attention if any discomfort continues.
<b>Ingestion</b>	Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	May cause blurred vision and serious eye damage.

#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
-----------------------------	---

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	The product is non-combustible. Irritating gases or vapours. Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Carbon. Nitrogen. No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### 5.3. Advice for firefighters

## Snow Storm Supreme

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters** Use air-supplied respirator, gloves and protective goggles. Use protective equipment appropriate for surrounding materials.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin and eyes. For personal protection, see Section 8.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Dike far ahead of larger spills for later disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery.

#### 6.4. Reference to other sections

**Reference to other sections** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Good personal hygiene procedures should be implemented.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep only in the original container. Store in a cool and well-ventilated place.

**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.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **Anionic Surfactant**

Long-term exposure limit (8-hour TWA): WEL 25 ppm 91 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 366 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

**Ingredient comments** WEL = Workplace Exposure Limits

## Snow Storm Supreme

### Anionic Surfactant (CAS: 32612-48-9)

**DNEL** Industry - Oral; : 2750 mg/kg/day

**PNEC** - Fresh water; 0.240 mg/l

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

**DNEL** Consumer - Oral; Long term systemic effects: 25 mg/kg/day  
 Consumer - Inhalation; Short term local effects: 1.5 mg/m<sup>3</sup>  
 Consumer - Inhalation; Short term systemic effects: 1.5 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term systemic effects: 2.5 mg/m<sup>3</sup>  
 Industry - ; Short term local effects: 2.5 mg/m<sup>3</sup>

**PNEC** - Fresh water; 2.2 mg/l  
 - Intermittent release; 1.2 mg/l  
 - Marine water; 0.22 mg/l  
 - STP; 43 mg/l  
 - Soil; 0.72 mg/kg

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

### Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). 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.

### Other skin and body protection

Provide eyewash station. Work clothes protecting arms, legs and body should be used, together with a PVC protective apron which should be long enough to cover rubber shoes/boots thus eliminating the possibility of splashes or spillages entering the footwear.

### Hygiene measures

Based on and limited to our experience of this product, the following special advice is believed to provide satisfactory protection for the industrial user or handler. The choice of suitable protective equipment depends on work conditions and what methods are used for handling the substance. This advice is not a substitute for each Company conducting their own Risk/COSHH Assessments, but is provided as general guidance. Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use barrier cream to prevent drying of skin. Eating, smoking and water fountains prohibited in immediate work area.

### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

## Snow Storm Supreme

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Characteristic.
<b>pH</b>	pH (concentrated solution): ~7
<b>Relative density</b>	~ 1
<b>Solubility(ies)</b>	Soluble in water.

### 9.2. Other information

<b>Other information</b>	No relevant information available.
--------------------------	------------------------------------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	The following materials may react strongly with the product: Strong acids. Chlorohydrocarbons. Strong oxidising agents.
-------------------	---

### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. No particular stability concerns.
------------------	---

### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not applicable. Will not polymerise.
---	--------------------------------------

### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation. Avoid excessive heat for prolonged periods of time.
----------------------------	---

### 10.5. Incompatible materials

<b>Materials to avoid</b>	Strong acids. Strong oxidising agents.
---------------------------	--

### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
---	--

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	8,055.4
-------------------------	---------

#### Acute toxicity - inhalation

<b>ATE inhalation (dusts/mists mg/l)</b>	126.77
--	--------

<b>General information</b>	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
----------------------------	--

<b>Inhalation</b>	May cause respiratory system irritation.
-------------------	--

<b>Ingestion</b>	May cause discomfort if swallowed.
------------------	------------------------------------

<b>Skin contact</b>	Irritating to skin.
---------------------	---------------------

## Snow Storm Supreme

<b>Eye contact</b>	Risk of serious damage to eyes. Irritating to eyes.
<b>Acute and chronic health hazards</b>	Product has a defatting effect on skin.
<b>Route of entry</b>	Ingestion. Skin and/or eye contact
<b>Medical symptoms</b>	No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.
<b>Medical considerations</b>	Skin disorders and allergies.

### Toxicological information on ingredients.

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,000.0

Species Rat

ATE oral (mg/kg) 2,000.0

##### Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 1.5

**General information** The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful

**Skin contact** Irritating to skin.

**Eye contact** Risk of serious damage to eyes.

### **SECTION 12: Ecological Information**

**Ecotoxicity** Not classified as dangerous to the environment.

#### 12.1. Toxicity

##### Ecological information on ingredients.

#### Alkylamidopropylbetain

**Toxicity** Toxicity to bacteria: EC0 : Dose: > 3000 mg/l calculated

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

**Toxicity** EC 50 156 mg/l (Eisenia foetida foetida) (14d (OECD 207))  
>100 mg/l (daphnia magna) (EU Risk Assessment 2004)  
EC 50 (24u) 532 mg/l (daphnia magna) (OECD 202)  
LC 50 (96u) 532 mg/l (Lepomis macrochirus) (OECD 203)

#### 12.2. Persistence and degradability

**Persistence and degradability** The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

## Snow Storm Supreme

### Ecological information on ingredients.

#### Alkylamidopropylbetain

**Persistence and degradability**

Biological degradability:  
>80%  
Testing period: 28d  
The product is readily biodegradable according to OECD criteria.

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

**Persistence and degradability**

Result: 5% (activated sludge; 400mg/l; Related to: Dissolved organic carbon (DOC); Exposure Time: 28 d)(OECD Test Guideline 302B)  
  
Kinetic data: <1%; 3 h

### 12.3. Bioaccumulative potential

#### Ecological information on ingredients.

#### Alkylamidopropylbetain

**Bioaccumulative potential**

No data available on bioaccumulation.

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

**Bioaccumulative potential**

No further relevant information available.

### 12.4. Mobility in soil

#### Ecological information on ingredients.

#### Alkylamidopropylbetain

**Mobility**

No further relevant information available.

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

**Mobility**

No further relevant information available.

**Adsorption/desorption coefficient**

COD-value: 260  
BOD5-value: 50

### 12.5. Results of PBT and vPvB assessment

#### Ecological information on ingredients.

#### Alkylamidopropylbetain

**Results of PBT and vPvB assessment**

Not applicable

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

**Results of PBT and vPvB assessment**

Not applicable

### 12.6. Other adverse effects

#### Ecological information on ingredients.

#### Alkylamidopropylbetain



## Snow Storm Supreme

**Other adverse effects** Further ecological information:  
Chemical Oxygen Demand (COD): 1000000 mg/l  
Method: DIN 38409 T. 41

Remarks: The product is considered to be weak water pollutant (German law).  
Do not allow to enter soil, waterways or waste water canal.  
Ecological data refer to the main components.

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

**Other adverse effects** Water hazard class 2 (German Regulation): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralized. Danger to drinking water if even small quantities lead into the ground.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The packaging must be empty (drop-free when inverted).

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor. Packaging: Recover and reclaim or recycle. If practical.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

## Snow Storm Supreme

Not applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>National regulations</b>	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.
<b>EU legislation</b>	Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (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).
<b>Guidance</b>	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.
<b>Health and environmental listings</b>	Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>General information</b>	PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw materials used in this product and are not necessarily applicable to the finished item. Please see Section 2 for the current classification of this product.
<b>Revision date</b>	07/12/2016
<b>Revision</b>	4
<b>Supersedes date</b>	06/08/2015
<b>Risk phrases in full</b>	R22 Harmful if swallowed. R35 Causes severe burns. R36/38 Irritating to eyes and skin. R41 Risk of serious damage to eyes.
<b>Hazard statements in full</b>	H290 May be corrosive to metals. H302 Harmful if swallowed. H315 Causes skin irritation. 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.

## Snow Storm Supreme

The information provided in this document is based on our present state of knowledge of the product and is given in good faith and to the best of our experience. However, it should not be construed as a technical specification or as guaranteeing specific properties, accuracy, reliability or completeness. In no event we will be responsible for damages or effects of any nature whatsoever, either express or implied, resulting from the use of this information. It is the own responsibility of the consignee and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application by carrying out a full risk assessment of their specific processes and systems of work. All information contained within this document is for the product in its undiluted state and relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated.