

# GRIME BUSTER™ SAFETY DATA SHEET

Issued: 02/07/2010 Revision No: 02

7 Pages

According to the Commission Regulation (EU) No 453/2010 Annex II of REACH Regulation

## SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

### 1.1 Product Identifier

Grime Buster

### 1.2 Relevant identified uses of the mixture and of the company

Foaming condenser cleaner aerosol

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

DiversiTech UK Limited  
Glaisdale Drive East, Nottingham, NG8 4LY United Kingdom  
Phone: +44 115 900 5858

### 1.4 Emergency telephone number

Emergency tel:

+1 813 248 0585 24 Hours, 7 Emergency Days, Chem-Tel, Inc.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the mixture

<b>Classification under CHIP:</b>	[Xi]; R36/38.
<b>Directive 1999/45/EC:</b>	This mixture meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

Physicochemical hazards: Aerosol containers can explode when heated, due to excessive pressure build-up.

Human health: Irritating to skin and eyes. Effects from inhalation of mists and vapours vary from mild to moderate irritation of the upper respiratory tract, depending on severity of exposure. Swallowing can cause gastro-intestinal irritation, nausea, vomiting, diarrhoea.

Environment: This product does not contain substances which are harmful to aquatic organisms or which may cause long term effects to the aquatic environment.

Please see Section 16 for full classification.

### 2.2 Label elements



Extremely  
Flammable

Irritant

#### Risk phrases:

R12: Extremely flammable.

R36/37/38: Irritating to eyes, respiratory system and skin.

R67: Vapours may cause drowsiness and dizziness.

#### Safety Phrases

S3: Keep in a cool place.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S60: This material and its container must be disposed of as hazardous waste.

### 2.3 Other hazards

<b>Workplace exposure limit:</b>	This product does not have a workplace exposure limit.
<b>PBT:</b>	No data available.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	EC No	CAS No.	CONTENT %	CLASSIFICATION
2-Butoxyethanol	203-905-0	111-76-2	1-5	[Xn] R20/21/22; [Xi] R36/R38
Disodium metasilicate	229-912-9	1344-09-8	2.5	[C] R34; [Xi] R37
Petroleum gases, liquefied	270-704-2	68476-85-7	5-10	[F+] R12; [T] R45; R46

## SECTION 4: FIRST-AID MEASURES

### 4.1 Description of first aid measures

**Skin contact** – Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. If irritation develops or persists, get medical attention.

**Eye contact** - Lift eyelids while flushing to ensure all areas of the eye and eyelid are flushed. Bathe the eye with running water for 15 minutes. If irritation persists, get medical attention.

**Ingestion** - Wash out mouth with water. Provide fresh air. Do not induce vomiting. Consult a doctor.

**Inhalation** - Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

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

Inhalation: Effects from inhalation of mists and vapours vary from mild to moderate irritation of the upper respiratory tract, depending on severity of exposure. Abusive or excessive inhalation of vapours may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

Ingestion: Swallowing can cause gastro-intestinal irritation, nausea, vomiting, diarrhoea

Skin contact: May cause irritation.

Eye contact: May cause pain and moderate irritation of eyes.

#### **4.3 Indication of any immediate attention and special treatment needed**

If in contact with skin/eye, wash/flush immediately. If inhaled, get medical attention immediately. If ingested, get medical attention immediately.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

Foam Carbon dioxide. Dry chemical powder.

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

In the event of a fire wear full protective clothing and self-contained breathing apparatus with a full face-piece. Exposure to temperatures above 49 °C may cause bursting.

### **5.3 Advice for fire-fighters**

Aerosol containers can explode when heated, due to excessive pressure build-up. Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Remove contaminated clothing immediately. Ensure adequate ventilation. In the case of inadequate ventilation, use respiratory protection. Avoid inhalation of vapours and aerosol spray. Keep spark, flames and heat sources away from spill.

### **6.2 Environmental precautions**

Do not discharge into drains or rivers. Contain spillages with sand, earth or any suitable absorbent material.

### **6.3 Method for cleaning up**

Contain and absorb liquid with clay, vermiculite or other inert substance. Sweep up absorbed material and package in a container suitable for disposal. Wash away residues with water.

### **6.4 Reference to other sections**

Please refer to Section 8 for details on protective wear.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Ensure there is sufficient ventilation of the area. Wash hands after handling.

### **7.2 Condition for safe storage, including any incompatibilities**

Protect from physical damage. Store in a cool, dry ventilated area below 49 degrees celsius. Must only be kept in original packaging.

### **7.3 Specific end use(s)**

No further details

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

2-BUTOXYETHANOL

UK - 8 hour TWA: 25 ppm

UK - 15 min. STEL: 50 ppm

### 8.2 Exposure controls

Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

**Eye/face protection:** Use chemical safety goggles and/or a full face shield where splashing is possible. Do not use unless a source of running water or other eyewash provisions are nearby.

**Skin protection:**

**Hand protection:** Wear solvent resistant gloves to minimise skin contact.

**Other:** Not required during normal use.

**Respiratory protection:** Not required during normal use.

**Thermal hazards:** Not relevant

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Colourless liquid in an aerosol container
<b>Odour:</b>	Sweet Smelling
<b>Odour threshold:</b>	n.a.
<b>pH:</b>	n.a.
<b>Melting point/freezing point:</b>	n.a.
<b>Initial boiling point and boiling range:</b>	28 °C
<b>Flash point:</b>	100 °C
<b>Evaporation rate:</b>	(water = 1) > 1
<b>Flammability limits %</b>	n.a.
<b>Vapour pressure:</b>	same as water
<b>Vapour density</b>	30 @ 21 °C
<b>Relative density:</b>	n.a.
<b>Solubility:</b>	Moderate solubility in water
<b>Partition Coefficient: n-octanol/water:</b>	n.a.
<b>Auto-ignition temperature:</b>	n.a.
<b>Decomposition temperature:</b>	n.a.
<b>Viscosity:</b>	n.a.
<b>Explosive properties:</b>	n.a.
<b>Oxidising properties:</b>	n.a.

### 9.2 Other information

No further details

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No relevant information.

### 10.4 Conditions to avoid

Heat. Direct sunlight. Hot surfaces. Sources of ignition. Flames. Sparks

### 10.5 Incompatible materials

Strong oxidising agents. Strong Alkalis Strong acids.

### 10.6 Hazardous decomposition products

Carbon Monoxide. Carbon Dioxide. Hydrogen sulfide. Phosgene gas.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute Toxicity:** Swallowing can cause gastro-intestinal irritation, nausea, vomiting and diarrhoea. Aspiration of material into the lungs can cause chemical pneumonitis. Effects from inhalation of mist vary from mild irritation to serious damage of the upper respiratory tract, depending on severity of exposure. Abusive or excessive inhalation of vapours may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

**Irritation:** Frequent or prolonged skin contact may cause mild irritation. Eye contact may cause irritation and pain.

**Corrosivity:** Not expected to be corrosive

**Sensitisation:** Not expected to be a sensitiser

**Repeated dose toxicity:** No effect

**Carcinogenicity:** Not expected to be carcinogenic.

**Mutagenicity:** Not expected to be mutagenic

**Toxicity for reproduction:** Not expected to be toxic by reproduction

**Route of exposure:** Inhalation

**Symptoms related to the physical, chemical and toxicological characteristics:** Swallowing can cause gastro-intestinal irritation, nausea, vomiting and diarrhoea. Aspiration of material into the lungs can cause chemical pneumonitis. Abusive or excessive inhalation of vapours may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No bioaccumulation potential.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

No further details

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Disposal operations** - Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility.

**Disposal of packaging** – Empty containers of this material, depressurised through normal use, pose no disposal hazard and may be recycled.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

UN 1950

### 14.2 UN proper shipping name

Aerosols

### 14.3 Transport hazard class(es)

Class 2: Class Labels 2.1 (Limited Quantity)

### 14.4 Packing group

None assigned

### 14.5 Environmental hazards

Not Environmentally Hazardous Substance

### 14.6 Special precautions for user

Away from sources of heat

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable to packaged goods

#### Mode-specific information:

##### ROAD/RAIL (ADR/RID/CDG)

Transport category 1  
Tunnel restriction code D

##### SEA (IMDG)

Not Marine Pollutant

EmS: F-D S-U

##### AIR (ICAO/IATA)

ERG Code 10C

Aerosol capacity less than 1 litre can be carried under the Limited Quantities provisions of all carriage modes

## SECTION 15: REGULATORY INFORMATION

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

#### According to CHIP

**Hazard symbols:** Extremely Flammable; Irritant



R12: Extremely flammable.

R36/37/38: Irritating to eyes, respiratory system and skin.

R67: Vapours may cause drowsiness and dizziness.

Keep container in a well-ventilated place

Do not breathe spray

Keep away from sources of ignition – No smoking

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of insufficient ventilation, wear suitable respiratory equipment.

In case of fire, use foam, carbon dioxide, dry powder or water fog.

This material and its container must be disposed of as hazardous waste (*note: this safety phrase is not required if sold to the general public*)

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been conducted.

## SECTION 16: OTHER INFORMATION

### Other information

This safety data sheet is prepared in accordance with Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

### Risk phrases used in Section 3

R12: Extremely flammable

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

R36/37/38: Irritating to eyes, respiratory system and skin.

R45: May cause cancer.

R46: May cause heritable genetic damage

### Legal disclaimer

**The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.**