
GREASE-BUSTER™ SAFETY DATA SHEET

Issued: 02/07/2010 Revision No: 02

8 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

Grease -Buster

1.2 Relevant identified uses of the mixture and of the company

Aerosol coil cleaner.

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

Classification under CHIP:	[T]; R36/38, R45, R52/53, R67, R68
Directive 1999/45/EC:	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. Incompatible with strong oxidising agents, strong acids and alkalis.

Human health: Irritating to eyes and skin. Skin contact with trichloroethylene may cause skin rashes. Vapours may cause drowsiness and dizziness. Aspiration of material into the lungs can cause chemical pneumonitis. Frequent or prolonged contact may cause mild irritation. Repeated contact may cause drying or flaking of skin. Inhalation of small levels of trichloroethylene may cause headaches, lung irritation, dizziness, poor coordination and difficulty concentrating. Inhalation or ingestion of high levels of trichloroethylene may cause nervous system effects, liver and lung damage, abnormal heartbeat, coma, respiratory failure and possibly death. May cause cancer.

Environment: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Please see Section 16 for full classification.

2.2 Label elements



Removed Flammable text and pictogram, Toxic

Risk phrases

R36/38: Irritating to eyes and skin.

R45: May cause cancer.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

R68: Possible risk of irreversible effects.

Safety Phrases

S4: Keep away from living quarters.

S23: Do not breathe spray

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

S28: After contact with skin, wash immediately with plenty of soap and water.

S36/37: Wear suitable protective clothing and gloves.

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

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53: Avoid exposure - obtain special instructions before use.

S57: Use appropriate container to avoid environmental contamination.

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

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

2.3 Other hazards

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name:	CAS Number	EINECS Number	% Composition	Classification according to CHIP
Trichloroethylene	79-01-6	201-167-4	~ 90	[T] 45; [Xi] R36/38; R52/53; R67; [Xn] R68
Propan-2-ol	67-63-0	200-661-7	1 – 10	[F] R11; [Xi] R36; R67
Carbon Dioxide Propellant	124-38-9	204-696-9	1 - 10	-

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

Skin contact – Wash immediately with plenty of soap and water. Rinse with copious amounts of fresh, running water. If irritation develops or persists, get medical attention.

Eye contact - Immediately flush eyes with plenty of water for 15 minutes, lifting lower and upper eyelids occasionally. If irritation persists, get medical attention.

Ingestion - Do not induce vomiting. Give plenty of water to drink. Get medical attention immediately.

Inhalation - Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes laboured, give oxygen. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: Repeated contact may cause drying or flaking skin.

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

Ingestion: Abdominal pain. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. The substance may cause effects on the central nervous system resulting in respiratory failure. Exposure could cause lowering of consciousness. May cause damage to liver and kidney

Inhalation: Abusive or excessive inhalation of vapours may cause irritation to the upper respiratory tract, dizziness, drowsiness, headache, weakness nausea and other central nervous system effects.

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, call nearest poison centre.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used

5.2 Special hazards arising from the substance or mixture

Exposure to temperatures above 49 °C may cause bursting.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Cool exposed containers with a water spray to prevent rupturing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation Remove contaminated clothing immediately. Keep unnecessary and unprotected people away from area of spill. Eliminate all sources of ignition.

6.2 Environmental precautions

Do not discharge into drains or rivers.

6.3 Method for cleaning up

Allow propellant to evaporate. Absorb neutralised caustic residue on clay, vermiculite or other inert substance and package in a suitable container for disposal.

6.4 Reference to other sections

Please refer to Section 8 for details on protective wear. Please refer to Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands after handling.

7.2 Condition for safe storage, including any incompatibilities

Protect from physical damage. Store in cool, well ventilated area. Keep away from moisture. Keep away from heat.

7.3 Specific end use(s)

No further details

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

TRICHLOROETHYLENE

UK - 8 hour TWA: 550 mg/m³ (equivalent to 100 ppm)

UK - 15 min. STEL: 820 mg/ m³ (equivalent to 50 ppm)

PROPAN-2-OL

UK - 8 hour TWA: 999 mg/ m³ (equivalent to 400 ppm)

UK - 15 min. STEL: 1250 mg/ m³ (equivalent to 500 ppm)

8.2 Exposure controls

Ensure there is sufficient ventilation of the 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: Wear protective clothing to minimise skin contact.

Respiratory protection: A system of local and/or general exhaust is recommended to keep employee below exposure limit. A system of local and/or general exhaust is recommended to keep employee below exposure limit. A half-piece particulate respirator (EN 149) may be worn for up to ten times the exposure limit.

Thermal hazards: Not relevant

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Clear colourless liquid in an aerosol container

Odour: Sweet smelling

Odour threshold: n.a.

pH: n.a.

Melting point/freezing point: n.a.

Initial boiling point and boiling range:	83 °C
Flash point:	n.a.
Evaporation rate:	n.a.
Flammability limits %	n.a.
Vapour pressure:	90 PSI (In can)
Vapour density	4.5 @ 21 °C
Relative density:	1.419
Solubility:	Insoluble in water
Partition Coefficient: n-octanol/water:	n.a.
Auto-ignition temperature:	n.a.
Decomposition temperature:	n.a.
Viscosity:	n.a.
Explosive properties:	n.a.
Oxidising properties:	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. Incompatibles

10.5 Incompatible materials

Strong oxidising agents. Strong acids. Alkalis. Reacts violently with metal powders such as magnesium, aluminium, titanium, and barium.

10.6 Hazardous decomposition products

Carbon Monoxide. Carbon Dioxide. Phosgene gas. Slowly decomposed by light in presence of moisture, with formation of corrosive hydrochloric acid.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Test	Species	End-Point	Value mg/kg
Oral	Rat	LD50	5650

Acute Toxicity: Irritating to eyes and skin.

Irritation: Frequent or prolonged skin contact may cause mild irritation. Repeated contact may cause drying or flaking of skin. Contact with eyes may result in irritation and pain. Patient may be nauseous. May cause gastric distress. There may be vomiting and diarrhoea. Aspiration of material into the lungs can cause chemical pneumonitis. 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 nervous system effects.

Corrosivity: Not corrosive

Sensitisation: No effect

Repeated dose toxicity: No effect

Carcinogenicity: May cause cancer

Mutagenicity: This material has been linked to mutagenic effects in humans.

Toxicity for reproduction: Not classified as toxic for reproduction

Route of exposure: Inhalation

Symptoms related to the physical, chemical and toxicological characteristics: Repeated contact may cause drying or flaking of skin. If ingested, patient may be nauseous. May cause gastric distress. There may be vomiting and diarrhoea. Aspiration of material into the lungs can cause chemical pneumonitis.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Fish 96H LC50 10 - 100 mg/l

12.2 Persistence and degradability

When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life between 1 and 10 days.

12.3 Bioaccumulative potential

No bioaccumulation potential. This material was found to have a bioconcentration factor of less than 100.

12.4 Mobility in soil

When released into the soil, this material may leach into groundwater. When released into the soil, this material is expected to quickly evaporate.

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Slightly toxic to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations - Dispose of according to Federal, State and local regulations.

Disposal of packaging – Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Dispose of according to Federal, State and local regulations.

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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 Label 2.2 (6.1)

14.4 Packing group

None assigned

14.5 Environmental hazards

Not Environmentally Hazardous Substance

14.6 Special precautions for user

Keep away from sources of heat

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

Not applicable

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 10P

Aerosol capacity less than 120 mls 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: Removed flammable and pictogram, Toxic



Risk phrases

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Precautionary phrases

P24: 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 near 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

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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.