

SDS GRAN-UNIV-GB
Issue 1, Version 2 Revised 24 October 2015

Total Pages: 6

Pro-Universal Granular Coil Cleaner

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

GRAN-UNIV

1.2 Relevant identified uses of the mixture and of the company

Universal Granular Coil Cleaner

1.3 Details of the supplier of the safety data sheet

DiversiTech UK Limited
Glaisdale Drive East
Nottingham
NG8 4LY
United Kingdom
Tel: +44 1159005858
Fax: +44 1159294468

1.4 Emergency telephone number

Emergency tel: 001+1813 248 0585, 24 Hours, 7 Emergency Days, Chem-Tel, Inc.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture

GHS Classification:

Acute Toxicity Category 5
Skin Irritation Category 1B
Eye Irritation Category 1
Specific target organ toxicity, single exposure; Respiratory tract irritation Category 3

2.2 Label Elements:



Signal Word Danger!

Hazard Statement(s)

H303	May be harmful if swallowed
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage
H335	May cause respiratory irritation

Precautionary statement(s)

P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe dust.
P264	Wash thoroughly after handling.
P280	Wear protective Wear rubber, nitrile or neoprene protective gloves and clothing, and safety goggles or face shield to protect eyes and face.
P310	Immediately call your national POISON CENTRE information service or a doctor.
P301 + 330 + 331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + 361 + 353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse SKIN with water or shower for a minimum of fifteen minutes.
P304 + 340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + 351 + 338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents and container in accordance with international and local regulations.

2.3 Other hazards

PBT: This substance is not identified as a PBT substance.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

INGREDIENT	CAS No.	EINECS No.	% Or Range	GHS Classification	
Sodium Metasilicate	6834-92-0	229-912-9	20-40	H314: Acute Toxicity H314: Skin Corrosion H318: Eye Damage H402: Aquatic Acute	Category 4 Category 1A Category 1 Category 3
Potassium Carbonate	584-08-7	209-529-3	20-40	H315: Skin Irritant H319: Eye Irritant H335: May cause respiratory irrit.	Category 3 Category 2B Category 3

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact - Remove immediately all contaminated clothing unless stuck to skin. Rinse SKIN with water or shower for a minimum of fifteen minutes. Get medical attention immediately after administering first aid.

Eye contact - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately after administering first aid.

Ingestion - Call the nearest poison centre for medical advice. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Do not leave victim unattended. To prevent aspiration lay victim on side with head lower than waist. Vomit may occur spontaneously.

Inhalation - Remove casualty from exposure ensuring one's own safety whilst doing so. If not breathing give artificial respiration. If breathing becomes laboured, give oxygen. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Harmful if swallowed. Causes burns. Swallowing may cause burns of mouth, throat and stomach. Scarring of tissue and death may result. Bleeding may occur. There may be vomiting and diarrhoea. A fall in blood pressure may occur. Symptoms may be delayed after exposure. Skin exposure can cause irritation or burns with greater exposures. Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness. Effects from inhalation of dust vary from mild irritation to serious damage of the upper respiratory tract, depending on severity of exposure.

4.3 Indication of any immediate attention and special treatment needed

Immediate attention is required in all cases.

Perform endoscopy in all cases of suspected potassium hydroxide ingestion. In cases of severe oesophageal corrosion, the use of therapeutic doses of steroids should be considered. General supportive measures with continual monitoring of gas exchange, acid-base balance, electrolytes, and fluid intake are also required.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Do not use water. Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

Can react with certain metals, such as aluminium, to generate flammable hydrogen gas.

5.3 Advice for fire-fighters

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

Ensure adequate ventilation. Keep unnecessary and unprotected people away from area of spill. Refer to section 8 of SDS for personal protection details. Remove contaminated clothing immediately.

6.2 Environmental precautions

Do not flush large volumes of alkaline residues to the sewer.

6.3 Methods and material for containment and cleaning up

Contain and recover liquid when possible. Residues from spills can be diluted with water, then neutralised with dilute acid such as acetic, hydrochloric or sulphuric. Absorb neutralised caustic residue on clay, vermiculite or other inert substance and package in a suitable container for disposal. Do not use aluminium tools to collect absorbed material or aluminium containers to store collected wastes.

6.4 Reference to other sections

Please refer to Section 8 for details on protective wear.

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SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands after handling. Wash clothing after handling. Do not mix with acids, oxidisers or organic materials.

7.2 Condition for safe storage, including any incompatibilities

Keep container tightly closed. Protect from physical damage. Store in a cool dry ventilated area away from sources of extreme heat, moisture and incompatibilities. Store above 4 degrees centigrade to prevent freezing. Do not store with aluminium or magnesium. Do not mix with acids, oxidisers or organic materials. Containers of this material may be hazardous when empty since they retain product residues.

7.3 Specific end use(s)

No further details

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Sodium Metasilicate:

UK - 15 min. STEL: 2 mg/m³

8.2 Exposure controls

Ensure there is sufficient ventilation of the area. 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. A source of running water or other eyewash provisions should be nearby.

Skin protection:

Hand protection: Protective gloves.

Other: Protective clothing.

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

Appearance:	Granular orange solid
Odour:	Lavender
Odour threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability limits %:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	1.13
Solubility:	100%
Partition Coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available

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.

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SECTION 10. STABILITY AND REACTIVITY (cont.)

10.3 Possibility of hazardous reactions

Will not occur.

10.4 Conditions to avoid

Heat. Incompatibles.

10.5 Incompatible materials

Acids, organic halogen compounds, nitro compounds, metals, various sugars.

10.6 Hazardous decomposition products

Carbon Monoxide. Shock sensitive salts, Decomposition by reaction with nonferrous metals releases flammable and explosive hydrogen gas.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Potential health effects:

11.1.1 Acute Toxicity: May be harmful if swallowed.

11.1.2 Irritation: Skin exposure can cause irritation or burns with greater exposures.

11.1.3 Corrosivity: Yes. Causes burns to skin, eyes, respiratory tract, and gastrointestinal tract. Material is extremely destructive to all body tissues.

11.1.4 Sensitisation: Not expected to be a sensitizer.

11.1.5 Repeated dose toxicity: Not expected to lead to concerns when compared to corrosivity.

11.1.6 Carcinogenicity: Not expected to be carcinogenic.

11.1.7 Mutagenicity: Not expected to be mutagenic.

11.1.8 Toxicity for reproduction: Not expected to be toxic for reproduction.

11.1.9 Route of exposure: The main route of exposure is expected to be via inhalation. Exposure may also occur via dermal.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

12.6 Other adverse effects

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations - Transfer to a suitable container and arrange for collection by specialised disposal company.

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

Please follow all local, regional, and international laws.

SECTION 14. TRANSPORTATION INFORMATION

14.1 UN number

UN 3262

14.2 UN proper shipping name

Corrosive Solid, Basic, Inorganic, NOS (Sodium Metasilicate and Potassium Carbonate)

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SECTION 14. TRANSPORTATION INFORMATION (cont.)

14.3 Transport hazard class(es)

Class 8

14.4 Packing group

III (Limited Quantity)

14.5 Environmental hazards

Not Environmentally Hazardous Substance

14.6 Special precautions for user

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 E
SEA (IMDG)	Not Marine Pollutant IMDG Code segregation group 18 – Alkalis EmS: F-A S-B
AIR (ICAO/IATA)	ERG Code 8L

SECTION 15. REGULATORY INFORMATION

15.1 Chemical safety assessment

A chemical safety assessment has not been conducted.

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.

SECTION 16. OTHER INFORMATION

Other information

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

Revision Summary: All Sections: New GHS Format

Abbreviations:

UN Model Regulations means the Model Regulations annexed to the most recently revised edition of the Recommendations on the Transport of Dangerous Goods published by the United Nations.

IMDG Code means the International Maritime Dangerous Goods code, as amended.

ADR means the European Agreement concerning the International Carriage of Dangerous Goods by Road, as amended.

RID means the Regulations concerning the International Carriage of Dangerous Goods by Rail, as amended.

ADN means the European Agreement concerning the International Transport of Dangerous Goods by Inland Waterways, as amended.

Sources of key data:

UK Regulatory References: The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations.

EU Directives: Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

Statutory Instruments: Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

Approved Code of Practice: Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. British

Guidance Notes: Workplace Exposure Limits EH40. CHIP for everyone HSG (108).

National Regulations: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

Classification and Labelling Guidance: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 2

Precautionary Statement and Pictograms: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 3

Guidance on the Preparation of Safety Data Sheets: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 4

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SECTION 16. OTHER INFORMATION (cont.)

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