



SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: HEAVY DUTY DEGREASER

Version: 12

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: HEAVY DUTY DEGREASER (Contains:1-PROPANAMINIUM, 3-AMINO-N-CARBOXYMETHYL/0-N,N-DIMETHYL-,N-C8-18 ACYL DERIVS., Alcohols, C12-13 - branched and linear, ethoxylated, Disodium Metasilicate, Tetrasodium Ethylenediamine Tetraacetate)

Other identifiers: None

1.2 Relevant identified uses of the substance of mixture and uses advised against

Product uses: Degreaser

1.3 Details of the supplier of the safety data sheet

Company name: R & D Products (UK) Ltd

Company address: Victoria Mills
Westgate
Cleckheaton
BD19 5DR

Contact: Regulatory Affairs

E-Mail address: admin@rd-products.co.uk

Company phone: 01274 851516

1.4 Emergency telephone number

Emergency phone: 01274 851516 - Mon-Fri 8am-4pm

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Skin Corrosion / Irritation Category 2
Eye Damage / Irritation Category 1
Sensitization - Skin Category 1
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.

2.2 Label elements

Classification under Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements: H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.

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Supplemental Information: None

Precautionary statements:

P261, Avoid breathing vapour or dust.

P264, Wash hands and other contacted skin thoroughly after handling.

P272, Contaminated work clothing should not be allowed out of the workplace.

P280, Wear protective gloves/eye protection/face protection.

P302/352, IF ON SKIN: Wash with plenty of soap and water.

P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310, Immediately call a POISON CENTER or doctor/physician.

P333/313, If skin irritation or rash occurs: Get medical advice/attention.

P362, Take off contaminated clothing and wash before reuse.

P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:



2.3 Other hazards

Other hazards: Hydrocarbon Concentration %: 0.0000%

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
Alcohols, C12-13 - branched and linear, ethoxylated	160901-19-9, 68439-46-3	931-954-4, 614-482-0	POLYMER - EXEMPT	1-<5%	Acute Tox. 4-Eye Dam. 1-Aquatic Chronic 3; H302-H318-H412,-	Eye Dam. 1; H318; C ≥ 10%-dermal: ATE = 2000 mg/kg bw-oral: ATE = 500 mg/kg bw
BUTYL GLYCOL	111-76-2	203-905-0	01-2119475108-36-XXXX	1-<5%	Acute Tox. 4-Acute Tox. 4-Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2; H302-H312-H315-H319-H332,-	dermal: ATE = 1100 mg/kg bw-oral: ATE = 1300 mg/kg bw
Tetrasodium Ethylenediamine Tetraacetate	64-02-8	200-573-9	01-2119486762-22-XXXX	1-<5%	Acute Tox. 4-Eye Dam. 1;H302-H318,-	
Disodium Metasilicate	6834-92-0	229-912-9		1-<5%	Skin Corr. 1B-Eye Dam. 1-STOT SE 3; H314-H335,-	

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SODIUM HYDROXIDE SOLID	1310-73-2	215-185-5		0.1-<1%	Met. Corr. 1-Skin Corr. 1A-Eye Dam. 1;H290-H314,-	
Orthophosphoric Acid	7664-38-2	231-633.2		0.1-<1%	Met. Corr. 1-Acute Tox. 4-Skin Corr. 1B;H290-H302-H314,-	
Potassium Hydroxide	1310-58-3	215-181-3		0.1-<1%	Met. Corr. 1-Acute Tox. 4-Skin Corr. 1A-Eye Dam. 1;H290-H302-H314,-	
Etidronic acid	2809-21-4	220-552-8		0.1-<1%	Met. Corr. 1-Acute Tox. 4-Eye Dam. 1;H290-H302-H318,-	
1-PROPANAMINIUM, 3-AMINO-N-CARBOXYMETHYL/0-N,N-DIMETHYL-,N-C8-18 ACYL DERIVS.	61789-40-0	263-058-8		0.1-<1%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1A-Aquatic Chronic 3;H315-H317-H319-H412,-	

Substances with Community workplace exposure limits:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
BUTYL GLYCOL	111-76-2	203-905-0	01-2119475108-36-XXXX	1-<5%	Acute Tox. 4-Acute Tox. 4-Acute Tox. 4-Skin Irrit. 2-Eye Irrit. 2; H302-H312-H315-H319-H332,-	dermal: ATE = 1100 mg/kg bw-oral: ATE = 1300 mg/kg bw
SODIUM HYDROXIDE SOLID	1310-73-2	215-185-5		0.1-<1%	Met. Corr. 1-Skin Corr. 1A-Eye Dam. 1;H290-H314,-	

Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:

Not Applicable

Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation:	Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Eye exposure:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin exposure:	IF ON SKIN: Wash with plenty of soap and water.
Ingestion:	Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause redness and tearing of the eyes. Burning sensation.

Irritating. Erythema (skin redness). Prolonged contact may cause redness and irritation.

Causes skin irritation.



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May cause an allergic skin reaction.

Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes.

See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Contain spillage with Bunding to avoid spread into water courses or areas of foliage/grass

6.3 Methods and material for containment and cleaning up:

Contain spillage immediately by use of sand or inert powder.

Prevent leakage into sewers or surface water by utilising bunding, absorbent booms, drain covers and soil or sand dikes.

Pump/transfer spillage into suitable plastic containers and rework/dispose as per local legislation.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Do not mix with Acids or other chemicals

Avoid contact of neat product on skin or eyes.

Wear Protective Gloves and eye/face protection (see section 8)



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7.2 Conditions for safe storage, including any incompatibilities:

Store in container as supplied, tightly closed. Keep cool and away from direct sunlight.

7.3 Specific end use(s):

Degreaser: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits:

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Ingredient	CAS	EC	Description	Value
BUTYL GLYCOL	111-76-2	203-905-0	UK WEL Long term ppm	25
			UK WEL Long term mgm3	123
			UK WEL Short term ppm	50
			UK WEL Short term mgm3	246
			Long-term exposure limit (8-hour TWA) (mg/m3)	98
			Long-term exposure limit (8-hour TWA) (ppm)	20
			Short-term exposure limit (15-minute) (mg/m3)	246
			Short-term exposure limit (15-minute) (ppm)	50
			DE WEL AGS Long term mgm3	49
			DE WEL AGS Long term ppm	10
			DE WEL DFG Long term mgm3	49
			DE WEL DFG Long term ppm	10
			DE WEL AGS Short term mgm3	196
			DE WEL AGS Short term ppm	40
			DE WEL DFG Short term mgm3	98
			DE WEL DFG Short term pmm	20
SODIUM HYDROXIDE SOLID	1310-73-2	215-185-5	UK WEL Short term mgm3	2

8.2 Exposure Controls

Eye / Skin Protection

Wear close fitting chemical goggles meeting standard EN166 1 F N 3 or equivalent

Wear an Industrial rubber/neoprene glove meeting EN374 ISO 374-1:2016 / Type A



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Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour:	Pale Straw Coloured Liquid
Odour:	Chemical
Odour threshold:	Not determined
Melting point / freezing point:	Not determined
Boiling point or initial boiling point and boiling range:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	> 61 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	11.0 - 12.0
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient: n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	Not determined
Relative vapour density:	Not determined
Particle characteristics:	Not determined

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.



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10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

Acute Toxicity: Based on available data the classification criteria are not met.

Acute Toxicity Oral >5000

Acute Toxicity Dermal >5000

Acute Toxicity Inhalation Not Available

Skin corrosion/irritation: Skin Corrosion / Irritation Category 2

Serious eye damage/irritation: Eye Damage / Irritation Category 1

Respiratory or skin sensitisation: Sensitization - Skin Category 1

Germ cell mutagenicity: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

Reproductive toxicity: Based on available data the classification criteria are not met.

STOT-single exposure: Based on available data the classification criteria are not met.

STOT-repeated exposure: Based on available data the classification criteria are not met.

Aspiration hazard: Based on available data the classification criteria are not met.

Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral (mg/kg)	LD50/ATE Dermal (mg/kg)	LC50/ATE Inhalation	LC50 Route
Alcohols, C12-13 - branched and linear, ethoxylated	160901-19-9, 68439-46-3	931-954-4, 614-482-0	500	2000	Not available	Not available
BUTYL GLYCOL	111-76-2	203-905-0	1300	1100	4500	Gas
Tetrasodium Ethylenediamine Tetraacetate	64-02-8	200-573-9	500	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards



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Not Applicable

Section 12. Ecological information

12.1 Toxicity: Not available

12.2 Persistence and degradability: Not available

12.3 Bioaccumulative potential: Not available

12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Endocrine disrupting properties: Not Applicable

12.7 Other adverse effects: Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	Not classified	-	-	-	-
IMDG	Not classified	-	-	-	-
ADR,RID,ADN	Not classified	-	-	-	-
ICAO TI	Not classified	-	-	-	-

14.5 Environmental hazards: Not environmentally hazardous for transport

14.6 Special precautions for user: None additional

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

Not classified

Section 15. Regulatory information

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

Water Hazard Class (WGK): 1

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.



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Section 16. Other information

Concentration % Limits: SCI 2=21.78% EDI 1=53.42% EDI 2=9.42% SS 1=29.46%

Total Fractional Values: SCI 2=4.59 EDI 1=1.87 EDI 2=10.62 SS 1=3.39

Key to revisions:

Information about hazardous ingredients in the mixture

Workplace exposure limits

Key to abbreviations:

Abbreviation	Meaning
Acute Tox. 4	Acute Toxicity - Oral Category 4
Acute Tox. 4	Acute Toxicity - Dermal Category 4
Acute Tox. 4	Acute Toxicity - Inhalation Category 4
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2	Eye Damage / Irritation Category 2
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
Met. Corr. 1	Corrosive to Metals Category 1
P234	Keep only in original container.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P301/330/331	If swallowed: Rinse mouth. Do not induce vomiting.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.



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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.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P332/313	If skin irritation occurs: Get medical advice/attention.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P403/233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
Skin Corr. 1A	Skin Corrosion / Irritation Category 1A
Skin Corr. 1B	Skin Corrosion / Irritation Category 1B
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Sens. 1A	Sensitization - Skin Category 1A

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.