

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Verto Heavy Duty Degreaser 5L

Version: 6

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, Potassium Hydroxide)

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: PARC SUPPLIES LTD

Company address: Unit 2 Whitehall Point
Whitehall Road
LS12 4RZ

Contact:

E-Mail address: info@parcglobal.com

Company phone: 0113 220 4080

1.4 Emergency telephone number

Emergency phone: 0113 220 4080 - Mon-Fri 7.30am-4.30pm

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

Signal word: Danger

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

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Verto Heavy Duty Degreaser 5L

Version: 6

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:



Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008
Alcohols, C12-13 - branched and linear, ethoxylated	160901-19-9, 68439-46-3	931-954-4, 614-482-0	POLYMER - EXEMPT	1-<5%	ATO 4-EDI 1-EH C3; H302-H318-H412,-
BUTYL GLYCOL	111-76-2	203-905-0	01-2119475108-36-XXXX	1-<5%	ATO 4-ATD 4-ATI 4-SCI 2-EDI 2;H302-H312-H315-H319-H332,-
Tetrasodium Ethylenediamine Tetraacetate	64-02-8	200-573-9	01-2119486762-22-XXXX	1-<5%	ATO 4-EDI 1;H302-H318,-
Disodium Metasilicate	6834-92-0	229-912-9		1-<5%	SCI 1B-EDI 1-STO-SE 3(RI);H314-H335,-
Potassium Hydroxide				0.1-<1%	CM 1-ATO 4-SCI 1A-EDI 1;H290-H302-H314,-
Etidronic acid	2809-21-4	220-552-8		0.1-<1%	CM 1-ATO 4-EDI 1; H290-H302-H318,-

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Verto Heavy Duty Degreaser 5L**Version:** 6

1-PROPANAMINIUM, 3-AMINO-N-CARBOXYMETHYL/0-N,N-DIMETHYL-,N-C8-18 ACYL DERIVS.	61789-40-0	263-058-8		0.1-<1%	SCI 2-EDI 2-SS 1A-EH C3;H315-H317-H319-H412,-
---	------------	-----------	--	---------	---

Substances with Community workplace exposure limits:

Name	CAS	EC	%
BUTYL GLYCOL	111-76-2	203-905-0	1-<5%

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

IF ON SKIN: Wash with plenty of soap and water.

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

Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.

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.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/Verto

Product: Verto Heavy Duty Degreaser 5L

Version: 6

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations. Small spills can be contained with paper towels.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

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:

Ingredient	CAS	EC	Description	Value
BUTYL GLYCOL	111-76-2	203-905-0	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

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Verto Heavy Duty Degreaser 5L

Version: 6

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

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

Appearance:	Pale Straw Coloured Liquid
Odour:	Chemical
Odour threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	> 61 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapour pressure:	Not determined
Vapour density:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not expected
Oxidising properties:	Not expected

9.2 Other information: None available

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Verto Heavy Duty Degreaser 5L

Version: 6

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.

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 toxicological effects

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	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Alcohols, C12-13 - branched and linear,	160901-19-9, 68439-46-3	931-954-4, 614-482-0	500	2000	Not available	Not available

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Verto Heavy Duty Degreaser 5L

Version: 6

ethoxylated		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 Ethylendiamine Tetraacetate	64-02-8	200-573-9	500	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

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 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: Not classified

14.2 UN Proper Shipping Name: Not classified

14.3 Transport hazard class(es): Not classified

Sub Risk: Not classified

14.4. Packing Group: 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

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Verto Heavy Duty Degreaser 5L

Version: 6

15.2 Chemical Safety Assessment

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

Section 16. Other information

Concentration % Limits: SCI 2=31.53% EDI 1=33.41% EDI 2=10.83% SS 1=29.28%

Total Fractional Values: SCI 2=3.17 EDI 1=2.99 EDI 2=9.24 SS 1=3.42

Key to revisions:

Product identifier

SECTION 3: Composition/information on ingredients

Key to abbreviations:

Abbreviation	Meaning
ATD 4	Acute Toxicity - Dermal Category 4
ATI 4	Acute Toxicity - Inhalation Category 4
ATO 4	Acute Toxicity - Oral Category 4
CM 1	Corrosive to Metals Category 1
EDI 1	Eye Damage / Irritation Category 1
EDI 2	Eye Damage / Irritation Category 2
EH C3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
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.
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.

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: Verto Heavy Duty Degreaser 5L

Version: 6

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.
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.
SCI 1A	Skin Corrosion / Irritation Category 1A
SCI 1B	Skin Corrosion / Irritation Category 1B
SCI 2	Skin Corrosion / Irritation Category 2
SS 1A	Sensitization - Skin Category 1A
STO-SE 3(RI)	Specific Target Organ Toxicity (Single Exposure) Category 3

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.