

SAFETY DATA SHEET

VuPlex® Plastic Cleaner, Protectant and Polish



ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

Version 1.0 Date of Issue: 15.01.2016

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name	VuPlex ® Plastic Cleaner, Protectant and Polish
CAS No.	Mixture
EINECS No.	Mixture
REACH Registration No.	Not applicable (Mixture)
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Cleaning agent (Consumer use)
Uses advised against	Anything other than the above. Use only with sufficient ventilation.
1.3 Details of the supplier of the Safety Data Sheet	
Supplier	VuPlex UK Ltd. 113 Kingsway London WC2B 6PP United Kingdom +44 808 189 0380
Telephone	Not available
Fax	Not available
E-Mail (competent person)	accounts@vuplex.co (Shiona Hames)
Only representative of a non-Community manufacturer	The REACH Centre Ltd Lancaster Environment Centre Lancaster University Lancaster LA1 4YQ United Kingdom +44 (0) 1524 510278
Telephone	+44 (0) 1524 510278
Fax	+44 (0) 1524 510588
E-Mail (competent person)	or100145@thereachcentre.com
1.4 Emergency telephone number	
Emergency Phone No.	+44 808 189 0380 (VuPlex Head Office) Monday - Friday 09:00 - 17:00 (GMT)
Languages spoken	English

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Flam. Aerosol. 1; H220-H229 Skin Sens. 1; H317 STOT SE 3; H336 Repr. 2; H361f Aquatic Chronic 2; H411
2.2 Label elements	According to Regulation (EC) No. 1272/2008 (CLP).
Product Name	VuPlex ® Plastic Cleaner, Protectant and Polish
Contains:	D-limonene; Naphtha (petroleum), hydrotreated light

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Hazard Pictogram(s)



Signal word(s)

DANGER

Hazard statement(s)

H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H317: May cause an allergic skin reaction.
H336: May cause drowsiness or dizziness.
H361f: Suspected of damaging fertility.
H411: Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Pressurised container - Do not pierce or burn, even after use.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P501: Disposal should be in accordance with local, state or national legislation.

Labelling according to Regulation 648/2004/EC on detergents

"3"

15 - <30% aliphatic hydrocarbons. <5% perfumes. Contains: Limonene.

2.3 Other hazards

Not classified as PBT or vPvB. May form explosive vapour/air mixtures.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

According to Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	Identification Number(s)	REACH Registration No.	Hazard classification
Naphtha (petroleum), hydrotreated light	20-30	CAS No. 64742-49-0	Not yet assigned in the supply chain	Flam. Liq. 2; H225 Asp. Tox. 1; H304 STOT SE 3; H336 Repr. 2; H361f Aquatic Chronic 1; H411
D-limonene	1-5	CAS No. 5989-27-5 EC No. 227-813-5	Not yet assigned in the supply chain	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
2-(2-butoxyethoxy)ethanol	<0.5	CAS No. 112-34-5 EC No. 203-961-6	Not yet assigned in the supply chain	Eye Irrit. 2; H319 Substance with a community exposure limit

For full text of H/P Statements see section 16.

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SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Remove promptly anything of a restrictive nature. Keep warm and at rest. Obtain immediate medical attention.

Skin Contact

IF ON SKIN: Wash skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact

If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Remove contact lenses if worn. If symptoms develop, obtain medical attention.

Ingestion

Unlikely route of exposure. Do NOT induce vomiting. Rinse mouth. Keep patient at rest. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Will cause skin irritation. May cause an allergic skin reaction. Allergic eczema. Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure by inhalation.

4.3 Indication of any immediate medical attention and special treatment needed

Seek medical treatment when anyone has symptoms apparently due to inhalation or contact with skin or eyes. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media

Direct water jet may spread the fire.

5.2 Special hazards arising from the substance or mixture

Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Toxic gases/vapours.

May form explosive mixtures with air. Contains gas under pressure; may explode if heated.

5.3 Advice for fire-fighters

Evacuate the area. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Chemical protection suit. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep containers cool by spraying with water if exposed to fire.

Do not allow run-off from fire fighting to enter drains or water courses. Avoid release to the environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Only trained and properly protected personnel must be involved in clean-up operations. No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Avoid inhalation of vapours. Eliminate all ignition sources if safe to do so.

In confined spaces, sewers, etc., the vapours may collect to form explosive mixtures with air.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Ensure adequate ventilation. Allow product to evaporate.

Absorb remaining liquid in sand or inert absorbent and remove to safe place.

Use non-sparking hand tools and explosion proof electrical equipment.

6.4 Reference to other sections

See also section 8, 13.

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SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Unlikely to cause harmful effects under normal conditions of handling and use. Follow use instructions. Keep away from heat and sparks - no smoking. When using do not eat or drink. Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing vapours. Do not use in areas without adequate ventilation. Do not pierce or burn container, even after use. Do not spray on an open flame or other ignition source. Heat and direct sunlight. Keep in a well ventilated place.
- 7.2 Conditions for safe storage, including any incompatibilities**
Storage Temperature
Storage Life
Incompatible materials
Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. Stable at ambient temperatures.
- 7.3 Specific end use(s)**
Keep away from oxidising substances.
See Section: 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational Exposure Limits

SUBSTANCE: Petroleum gases, liquefied CAS No. 68476-85-7					
Country / Region	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Remarks
EU	-	-	-	-	-
United Kingdom	1,000	1,750	1,250	2,180	EH40

SUBSTANCE: 2-(2-butoxyethoxy)ethanol CAS No. 112-34-5					
Country / Region	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Remarks
EU	10	67.5	15	101.2	-
United Kingdom	10	67.5	15	101.2	EH40

- 8.1.2 Biological limit value**
Not applicable.
- 8.1.3 PNECs and DNELs**
Not available.
- 8.2 Exposure controls**
Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.
- 8.2.1 Appropriate engineering controls**
Use only outdoors or in a well-ventilated area. Remove contaminated clothing and wash clothing before reuse. Wash hands before eating, drinking or smoking. Use skin barrier cream before handling the product.
- 8.2.2 Personal protection equipment**
Use personal protective equipment as required.

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Eye/face protection



Wear eye protection with side protection (EN166). Eyewash bottles should be available.

Skin protection (Hand protection/ Other)



Hand protection: Wear suitable gloves tested to EN374. Gloves should be changed regularly to avoid permeation problems.
Recommended: Neoprene, Nitrile rubber. Breakthrough time 480 minutes.

Body protection: Wear suitable protective clothing. Wash contaminated clothing before reuse.

Respiratory protection



Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.

Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Cream Yellow Aerosol.
Odour	Spearmint odour / Lemon odour.
Odour Threshold	Not available.
pH	6.6 (solution).
Melting point/freezing point	Not available.
Initial boiling point and boiling range	88°C (760 mm Hg without propellant).
Flash point	-12°C (TCC).
Evaporation Rate	8.40 (BuOAC=1 without propellant).
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	22 mm Hg @20°C.
Vapour density	Not available.
Relative density	0.91.
Solubility(ies)	Insoluble in water. Forms an emulsion with water.
Partition coefficient: n-octanol/water	Mixture: Not available. D-limonene: 4.57 2-(2-butoxyethoxy)ethanol: 0.56
Auto-ignition temperature	>230°C without propellant.
Decomposition Temperature	Not available.
Viscosity	100cSt @40°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

Percent Volatile by volume (%)	97.27%
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SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions. Heating will cause pressure rise with risk of bursting and subsequent explosion.
10.3	Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4	Conditions to avoid	Protect from sunlight and do not expose to temperatures exceeding 50 °C/122

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10.5	Incompatible materials	°F. Keep away from sources of ignition.
10.6	Hazardous Decomposition Product(s)	Keep away from strong oxidizing substances. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Toxic gases/vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Acute toxicity	
	Oral	Based on available data, the classification criteria are not met.
	Dermal	Based on available data, the classification criteria are not met.
	Inhalation	Based on available data, the classification criteria are not met.
	Skin corrosion/irritation	Mixture: Skin Irrit. 2; H319: Causes serious eye irritation. D-limonene; Skin Irrit. 2; H315.
	Serious eye damage/irritation	Based on available data, the classification criteria are not met.
	Respiratory or skin sensitization	Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction. D-limonene: Skin Sens. 1; H317.
	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. Mixture: Repr. 2; H361f.
	STOT - single exposure	Naphtha (petroleum), hydrotreated light: Repr. 2; H361f. Mixture: STOT SE 3; H336: May cause drowsiness or dizziness.
	STOT - repeated exposure	Naphtha (petroleum), hydrotreated light: STOT SE 3; H336. Mixture: STOT RE 2; H373: May cause damage to organs through prolonged or repeated exposure.
	Aspiration hazard	Naphtha (petroleum), hydrotreated light: STOT RE 1; H371. Mixture: Based on available data, the classification criteria are not met.
11.2	Other information	Naphtha (petroleum), hydrotreated light: Asp Tox. 1; H304. None.

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Toxic to aquatic life with long lasting effects. Estimated LC50 (fish) mg/l >1 ≥ 10. D-limonene: LC50 (Fish –Pimephales Promelas): 0.7 mg/l (96 hour). D-limonene: EC50 (Daphnia magna): 0.6 mg/l (48 hour).
12.2	Persistence and degradability	Not readily biodegradable. The product is likely to persist in the environment.
12.3	Bioaccumulative potential	The product has no potential for bioaccumulation.
12.4	Mobility in soil	The product is essentially insoluble in water.
12.5	Results of PBT and vPvB assessment	None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.
12.6	Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose of this material and its container as hazardous waste. (2008/98/EC). Do not dispose of with household waste, trash or other solid waste. Do not pierce or burn container, even after use.
13.2	Additional Information	Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

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SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	1950	1950	1950
14.2 UN Proper Shipping Name		AEROSOLS, flammable	
14.3 Transport hazard class(es)	2.1	2.1	2.1
14.4 Packing Group	-	-	-
14.5 Environmental hazards	Environmentally hazardous substance	Marine Pollutant	Environmentally hazardous substance
14.6 Special precautions for user	See Section: 2		
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.		
14.8 Additional Information	-		
Special Provisions	190 327 344 625		
Limited Quantity	1 L		
Tunnel Restriction Code	2 (D)		
Hazard Identification Number	-		

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations	
REACH Annex XVII (Restrictions)	2-(2-butoxyethoxy)ethanol (DEGBE) CAS No. 112-34-5. 55. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight.
15.1.2 National regulations	
Wassergefährdungsklasse (Germany)	Water hazard class: 2 (Self classification).
15.2 Chemical Safety Assessment	A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Version 1.0 Date of preparation: 15.01.2016 New SDS

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

References:

Existing Safety Data Sheets (SDSs).

Existing ECHA registration(s) for Petroleum gases, liquefied (CAS No. 68476-85-7); D-limonene (CAS No. 5989-27-5); Naphtha (petroleum), hydrotreated light (CAS No. 64742-49-0); 2-(2-butoxyethoxy)ethanol (CAS No. 112-34-5).

Harmonised Classification(s) for Petroleum gases, liquefied (CAS No. 68476-85-7); D-limonene (CAS No. 5989-27-5); 2-(2-butoxyethoxy)ethanol (CAS No. 112-34-5).

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
H222: Extremely flammable aerosol.	Regulation (EU) 487/2013 Annex I - 2.3
H229: Pressurised container: May burst if heated.	Regulation (EU) 487/2013 Annex I - 2.3
H317: May cause an allergic skin reaction.	Threshold Calculation
H336: May cause drowsiness or dizziness.	Threshold Calculation
H361f: Suspected of damaging fertility.	Threshold Calculation
H411: Toxic to aquatic life with long lasting effects.	Summation Calculation

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LEGEND

DNEL	Derived No Effect Level
LTEL	Long Term Exposure Limit
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
STEL	Short Term Exposure Limit
TWA	Time-Weighted Average
vPvB	very Persistent and very Bioaccumulative
EH40	Workplace Exposure Limit (UK HSE EH40)

Hazard Statement(s)

H220: Extremely flammable gas.
H222: Extremely flammable aerosol.
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H229: Pressurised container: May burst if heated.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H361f: Suspected of damaging fertility.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.