



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture	Radiant VOC Compliant Dressing
Registration number	-
Synonyms	None.
Product Code	1342
Issue date	04-07-2015
Version number	07
Revision date	01-15-2016
Supersedes date	11-24-2015

Distributor in New Zealand

Pacer Car Clean Products NZ LTD
33 Ha Crescent Wiri
Auckland, New Zealand
Telephone: +64 9 25000 91
Fax: +64 9 25000 92
Web: :www.pacer.co.nz

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

Identified uses	Dressing
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name Presta Products
Address 361 Fairview Ave
Barberton, OH 44203
US

Division

Telephone Phone 800-253-2526
Fax 330-777-8317

e-mail msdsinfo@malcopro.com

Contact person Not available.

1.4. Emergency telephone number Phone 1-800-424-9300

24hr Emergency Assistance in New Zealand

National Poison Control Center: 0800 Poison [764 766]

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, oral Acute toxicity, dermal Acute toxicity, inhalation	Category 4	H302 - Harmful if swallowed.
	Category 4	H312 - Harmful in contact with skin.
	Category 4	H332 - Harmful if inhaled.
Aspiration hazard	Category 1	H304 - May be fatal if swallowed and enters airways.

Hazard summary Combustible. May be fatal if swallowed and enters airways. Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed. Occupational exposure to the substance or mixture may cause adverse health effects.

Hazard Summary (according to Dangerous Substances Directive)

Physical hazards Not classified for physical hazards.
Health hazards Not classified for health hazards.
Environmental hazards Not classified for hazards to the environment.
Specific hazards None known.
Main symptoms Aspiration may cause pulmonary edema and pneumonitis.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Ethylene Glycol Monobutylether

Hazard pictograms



Signal word

Danger

Hazard statements

H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H332 Harmful if inhaled.

Precautionary statements

Prevention

P261 Avoid breathing vapors.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/protective clothing.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P331 Do NOT induce vomiting.

Storage

Not available.

Disposal

Not available.

Supplemental label information 96,7% of the mixture consists of component(s) of unknown acute inhalation toxicity.

2.3. Other hazards Combustible.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Distillates (Petroleum), Hydrotreated Light	60 - < 70	64742-47-8 265-149-8	-	649-422-00-2	
Classification:	Asp. Tox. 1;H304				
Ethylene Glycol Monobutylether	3 - < 5	111-76-2 203-905-0	-	603-014-00-0	#
Classification:	Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Irrit. 2;H315, Eye Irrit. 2;H319, Acute Tox. 4;H332				

Other components below reportable levels 30 - < 40

List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008.
 DSD: Directive 67/548/EEC.
 M: M-factor
 vPvB: very persistent and very bioaccumulative substance.
 PBT: persistent, bioaccumulative and toxic substance.
 #: This substance has been assigned Community workplace exposure limit(s).

Composition comments The full text for all R- and H-phrases is displayed in section 16. The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

4.1. Description of first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact Wash off with soap and water. Get medical advice/attention if you feel unwell. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

- 4.2. Most important symptoms and effects, both acute and delayed Aspiration may cause pulmonary edema and pneumonitis.
- 4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

- General fire hazards Combustible. No unusual fire or explosion hazards noted.
- 5.1. Extinguishing media
- Suitable extinguishing media Powder. Alcohol resistant foam. Dry chemicals. Carbon dioxide (CO₂).
- Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.
- 5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.
- 5.3. Advice for firefighters
- Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- Special fire fighting procedures Cool containers exposed to heat with water spray and remove container, if no risk is involved.
- Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
- For non-emergency personnel Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
- For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
- 6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.
- 6.3. Methods and material for containment and cleaning up
- Use water spray to reduce vapors or divert vapor cloud drift.
- Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
- Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
- Never return spills to original containers for re-use.
- 6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling Do not get in eyes, on skin, or on clothing. Avoid inhalation of vapors and spray mists. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.
- 7.2. Conditions for safe storage, including any incompatibilities Store locked up. Keep away from heat and sources of ignition. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).
- 7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	MAK	98 mg/m ³

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
		20 ppm
	STEL	200 mg/m ³
		40 ppm

Belgium. Exposure Limit Values.

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m ³
	TWA	50 ppm
		98 mg/m ³
		20 ppm

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m ³
	TWA	50 ppm
		98 mg/m ³
		20 ppm

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	MAC	98 mg/m ³
	STEL	20 ppm
		246 mg/m ³
		50 ppm

Czech Republic. OELs. Government Decree 361

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	Ceiling	200 mg/m ³
	TWA	100 mg/m ³

Denmark. Exposure Limit Values

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	TLV	98 mg/m ³
		20 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m ³
	TWA	50 ppm
		98 mg/m ³
		20 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	250 mg/m ³
	TWA	50 ppm
		98 mg/m ³
		20 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	VLE	246 mg/m3
	VME	50 ppm
		49 mg/m3 10 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8)	TWA	140 mg/m3	Vapor and aerosol.
	Ethylene Glycol Monobutylether (CAS 111-76-2)	TWA	20 ppm 49 mg/m3
			10 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	AGW	49 mg/m3
		10 ppm

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	TWA	120 mg/m3
		25 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	98 mg/m3

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	50 ppm
		100 mg/m3 20 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	50 ppm
		98 mg/m3 20 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	50 ppm
		98 mg/m3 20 ppm

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	50 ppm 98 mg/m3 20 ppm

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	100 mg/m3
	TWA	20 ppm 50 mg/m3 10 ppm

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	50 ppm 98 mg/m3 20 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	50 ppm 98 mg/m3 20 ppm

Netherlands. OELs (binding)

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	100 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	TLV	50 mg/m3
		10 ppm

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	200 mg/m3
	TWA	98 mg/m3

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	50 ppm 98 mg/m3 20 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	TWA	20 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	250 mg/m3
	TWA	50 ppm 150 mg/m3 30 ppm

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	50 ppm 98 mg/m3 20 ppm

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	TWA	98 mg/m3
		20 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	245 mg/m3
	TWA	50 ppm 98 mg/m3 20 ppm

Sweden. Occupational Exposure Limit Values

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	100 mg/m3
	TWA	20 ppm 50 mg/m3 10 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	98 mg/m3
	TWA	20 ppm 49 mg/m3 10 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m3
	TWA	50 ppm 123 mg/m3 25 ppm

Components	Type	Value
Ethylene Glycol Monobutylether (CAS 111-76-2)	STEL	246 mg/m ³
	TWA	50 ppm
		98 mg/m ³
		20 ppm

Biological limit values

Czech Republic. Limit Values for Indicators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.

Components	Value	Determinant	Specimen	Sampling Time
Ethylene Glycol Monobutylether (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (with hydrolysis)	Creatinine in urine	*
	0,17 mmol/mmol	Butoxyacetic acid (with hydrolysis)	Creatinine in urine	*

* - For sampling details, please see the source document.

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
Ethylene Glycol Monobutylether (CAS 111-76-2)	100 mg/l	Butoxyessigsäure	Urine	*

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

Components	Value	Determinant	Specimen	Sampling Time
Ethylene Glycol Monobutylether (CAS 111-76-2)	200 mg/g	Ácido butoxiacético, con hidrólisis	Creatinine in urine	*

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time
Ethylene Glycol Monobutylether (CAS 111-76-2)	200 mg/l	Gesamt-Butoxyessigsäure	Urine	*
	100 mg/l	Butoxyessigsäure	Urine	*

* - For sampling details, please see the source document.

UK. EH40 Biological Monitoring Guidance Values (BMGVs)

Components	Value	Determinant	Specimen	Sampling Time
Ethylene Glycol Monobutylether (CAS 111-76-2)	240 mmol/mol	Butoxyacetic acid	Creatinine in urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no-effect level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

EU Exposure Limit Values: Skin designation

Ethylene Glycol Monobutylether (CAS 111-76-2) Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment	
General information	Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection	Face shield is recommended. Wear safety glasses with side shields (or goggles).
Skin protection	
- Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
- Other	Wear appropriate chemical resistant clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear.
Physical state	Liquid.
Form	Liquid.
Color	Blue
Odor	Solvent.
Odor threshold	Not available.
pH	none
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	0,11 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	460,4 °F (238 °C) estimated
Decomposition temperature	Not available.
Viscosity	10 cP
Viscosity temperature	68 °F (20 °C)
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
9.2. Other information	
Density	7,17 lb/gal
VOC (Weight %)	3 % by weight

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation Harmful if inhaled.

Skin contact Harmful in contact with skin.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion Harmful if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms Aspiration may cause pulmonary edema and pneumonitis.

11.1. Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Harmful if inhaled. Harmful in contact with skin.

Components	Species	Test Results
Ethylene Glycol Monobutylether (CAS 111-76-2)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	400 mg/kg
Inhalation		
LC50	Mouse	700 ppm, 7 Hours
	Rat	450 ppm, 4 Hours
Oral		
LD50	Guinea pig	1,2 g/kg
	Mouse	1,2 g/kg
	Rabbit	0,32 g/kg
	Rat	560 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Due to partial or complete lack of data the classification is not possible.

Serious eye damage/eye irritation Due to partial or complete lack of data the classification is not possible.

Respiratory sensitization Due to partial or complete lack of data the classification is not possible.

Skin sensitization Due to partial or complete lack of data the classification is not possible.

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

Carcinogenicity Due to partial or complete lack of data the classification is not possible.

IARC Monographs. Overall Evaluation of Carcinogenicity

Ethylene Glycol Monobutylether (CAS 111-76-2) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - single exposure Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure Due to partial or complete lack of data the classification is not possible.

Aspiration hazard May be fatal if swallowed and enters airways.

Mixture versus substance information No information available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8)		
Aquatic		
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)
2,9 mg/l, 96 hours		
Ethylene Glycol Monobutylether (CAS 111-76-2)		
Aquatic		
Fish	LC50	Inland silverside (Menidia beryllina)
1250 mg/l, 96 hours		

* Estimates for product may be based on additional component data not shown.

12.2. Persistence and degradability No data is available on the degradability of this product.

12.3. Bioaccumulative potential No data available.

Partition coefficient
n-octanol/water (log Kow)

Ethylene Glycol Monobutylether 0,83

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	UN1993
14.2. UN proper shipping name	Flammable Liquids, N.O.S (Contains Petroleum Products)
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Hazard No. (ADR)	Not available.
Tunnel restriction code	Not available.
14.4. Packing group	III
14.5. Environmental hazards	No.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number	UN1993
14.2. UN proper shipping name	Flammable Liquids, N.O.S (Contains Petroleum Products)
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-

- 14.4. Packing group III
- 14.5. Environmental hazards No.
- 14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

ADN

- 14.1. UN number UN1993
- 14.2. UN proper shipping name Flammable Liquids N.O.S (Contains Petroleum Products)
- 14.3. Transport hazard class(es)
 - Class 3
 - Subsidiary risk -
- 14.4. Packing group III
- 14.5. Environmental hazards No.
- 14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA

- 14.1. UN number UN1993
- 14.2. UN proper shipping name Flammable Liquids, N.O.S (Contains Petroleum Products)
- 14.3. Transport hazard class(es)
 - Class 3
 - Subsidiary risk -
- 14.4. Packing group III
- 14.5. Environmental hazards No.
- 14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

- Passenger and cargo aircraft Forbidden.
- Cargo aircraft only Forbidden.

IMDG

- 14.1. UN number UN1993
- 14.2. UN proper shipping name Flammable Liquids, N.O.S (Contains Petroleum Products)
- 14.3. Transport hazard class(es)
 - Class 3
 - Subsidiary risk -
- 14.4. Packing group III
- 14.5. Environmental hazards
 - Marine pollutant No.
- EmS Not available.
- 14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

ADN; ADR; IATA; IMDG; RID



The HSNO Approval Number for this Group Standard is: HSR002525
Cleaning products (Combustible) Group Standard 2006

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended
 Not listed.
 Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended
 Not listed.
 Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended
 Not listed.
 Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended
 Not listed.
 Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended
 Not listed.
 Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended
 Not listed.
 Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended
 Not listed.
 Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA
 Not listed.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended
 Not listed.

Restrictions on use

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended
 Not listed.
 Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended
 Not listed.
 Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
 Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances
 Not listed.
 Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended
 Distillates (Petroleum), Hydrotreated Light (CAS 64742-47-8)
 Ethylene Glycol Monobutylether (CAS 111-76-2)
 Directive 94/33/EC on the protection of young people at work, as amended
 Not listed.

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.

Training information

Follow training instructions when handling this material.

Disclaimer

Malec Automotive cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.