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	PERMETHRIN CREME RINSE
Registration number	-
Synonyms	KWELL CREMA RINSE * KWELL CREMA DE ENJUAGUE * MFC 50279 * PERMETHRIN, FORMULATED PRODUCT * PERMETHRIN CREME RINSE (CONTAINING ISOPROPYL ALCOHOL)
Issue date	16-June-2014
Version number	05
Revision date	16-June-2014

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

Identified uses	Medicinal Product This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to medicinal use of the product. In this instance patients should consult prescribing information/package insert/product label or consult their pharmacist or physician. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate safety data sheet for each ingredient.
Uses advised against	No other uses are advised.

1.3. Details of the supplier of the safety data sheet

GlaxoSmithKline UK
980 Great West Road
Brentford, Middlesex TW8 9GS UK
UK General Information (normal business hours): +44-20-8047-5000
Email Address: msds@gsk.com
Website: www.gsk.com

1.4. Emergency telephone number

TRANSPORT EMERGENCIES::
UK In-country toll call: +(44)-870-8200418
International toll call: +1 703 527 3887
available 24 hrs/7 days; multi-language response

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 Directive 67/548/EEC or 1999/45/EC as amended

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

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

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

2.2. Label elements

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

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

Supplemental label information None.

2.3. Other hazards Flammable liquid and vapour.
See section 11 for additional information on health hazards.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Isopropyl alcohol	20 - < 30	67-63-0 200-661-7	-	603-117-00-0	
Classification: **DSD:** F;R11, Xi;R36, R67 **CLP:** Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336					
BRIJ 30	5 - < 10	5274-68-0 226-097-1	-	-	
Classification: **DSD:** - **CLP:** Skin Irrit. 2;H315, Eye Irrit. 2;H319					
STEARYL DIMETHYL BENZYL AMMONIUM	5 - < 10	122-19-0 204-527-9	-	-	
Classification: **DSD:** - **CLP:** -					
LAURYL ALCOHOL	1 - < 3	112-53-8 203-982-0	-	-	
Classification: **DSD:** Xi;R36/38, N;R50/53 **CLP:** Skin Irrit. 2;H315, Eye Irrit. 2;H319, Aquatic Acute 1;H400, Aquatic Chronic 1;H410					
POLYQUATERNIUM 10	1 - < 3	68610-92-4 -	-	-	
Classification: **DSD:** - **CLP:** STOT SE 3;H335					
PERMETHRIN	1	52645-53-1 258-067-9	-	613-058-00-2	M=1000
Classification: **DSD:** Xn;R20/22, R43, N;R50/53 **CLP:** Acute Tox. 4;H302, Skin Sens. 1;H317, Acute Tox. 4;H332, Aquatic Acute 1;H400, Aquatic Chronic 1;H410					
Other components below reportable levels	60 - < 70				

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.

SECTION 4: First aid measures

General information Take off all contaminated clothing immediately. Wash contaminated clothing before reuse. Pre-placement and periodic health surveillance is not usually indicated. The final determination of the need for health surveillance should be determined by local risk assessment.

4.1. Description of first aid measures

Inhalation Move to fresh air. If breathing is difficult, trained personnel should give oxygen. Call a physician if symptoms develop or persist. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact Immediately flush skin with plenty of water. Remove contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if symptoms occur.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present and easy to do. Call a physician or poison control centre immediately.

Ingestion Call a physician or poison control centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconsious person.

4.2. Most important symptoms and effects, both acute and delayed

Burning pain and severe corrosive skin damage. Causes serious eye damage. Permanent eye damage including blindness could result. May cause an allergic skin reaction. Dermatitis. Rash. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. The possible consequences of overexposure include: symptoms similar to alcohol intoxication, symptoms of hypersensitivity (such as skin rash, hives, itching).

4.3. Indication of any immediate medical attention and special treatment needed

Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. No specific antidotes are recommended. Treat according to locally accepted protocols. For additional guidance, refer to the local poison control information centre.

SECTION 5: Firefighting measures

General fire hazards

Flammable liquid and vapour.

5.1. Extinguishing media

Suitable extinguishing media

Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO_2).

Unsuitable extinguishing media

Water.

5.2. Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. 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

Move containers from fire area if you can do so without risk.

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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.

For emergency responders

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.

6.2. Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil etc) away from spilled material.

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. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. 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. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Vapours may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. Do not breathe mist or vapour. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure. Do not get this material on clothing. Provide adequate ventilation. Avoid release to the environment. Do not empty into drains.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Medicinal Product

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

GSK

Components	Type	Value
PERMETHRIN (CAS 52645-53-1)	8 HR TWA	200 mcg/m3
	OHC	2

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Isopropyl alcohol (CAS 67-63-0)	STEL	1250 mg/m3	
		500 ppm	
	TWA	999 mg/m3	
		400 ppm	
Propylene glycol (CAS 57-55-6)	TWA	474 mg/m3	Total vapour and particulates.
		10 mg/m3	Particulate.
		150 ppm	Total vapour and particulates.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived No Effect Level (DNEL) Not available.

Predicted no effect concentrations (PNECs) Not available.

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. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. An Exposure Control Approach (ECA) is established for operations involving this material based upon the OEL/Occupational Hazard Category and the outcome of a site- or operation-specific risk assessment.

Individual protection measures, such as personal protective equipment

General information Follow all local regulations if personal protective equipment (PPE) is used in the workplace. 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 Not normally needed. If contact is likely, safety glasses with side shields are recommended. (eg. EN 166)

Skin protection

- Hand protection Not normally needed. For prolonged or repeated skin contact use suitable protective gloves. Select suitable chemical resistant protective gloves (EN 374) with a protective index 6 (>480min permeation time).

- Other Not normally needed. Wear suitable protective clothing as protection against splashing or contamination.

Respiratory protection No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Where breathable aerosols/dust are formed, use suitable combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (eg. EN 14387).

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures 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. For advice on suitable monitoring methods, seek guidance from a qualified environment, health and safety professional.

Environmental exposure controls

Hazard guidance and control recommendations Contain spills and prevent releases and observe national regulations on emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid.
Form	Viscous.
Colour	Off-white.
Odour	Not available.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	30 - 31 °C (86 - 87.8 °F) Closed cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	Not available.
Vapour 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	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	No relevant additional information available.

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 heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents. Isocyanates Chlorine.
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	
Ingestion	Health injuries are not known or expected under normal use. Do not ingest.
Inhalation	Health injuries are not known or expected under normal use.
Skin contact	Health injuries are not known or expected under normal use. May be irritating to the skin.
Eye contact	Health injuries are not known or expected under normal use. Avoid contact with eyes. May be irritating to eyes.
Symptoms	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. The possible consequences of overexposure include: symptoms similar to alcohol intoxication, symptoms of hypersensitivity (such as skin rash, hives, itching).

11.1. Information on toxicological effects

Acute toxicity	Health injuries are not known or expected under normal use.

Components	Species	Test results
Isopropyl alcohol (CAS 67-63-0)		
Acute		
Dermal		
LD50	Rabbit	12.8 g/kg
Inhalation		
LC50	Rat	39 mg/l 8-hr
Oral		
LD50	Rat	5045 mg/kg
Subchronic		
Inhalation		
LOEL	Mouse	1500 ppm
	Rat	1500 ppm
NOEL	Mouse	500 ppm, 13 weeks
	Rat	500 ppm, 13 weeks
LAURYL ALCOHOL (CAS 112-53-8)		
Acute		
Dermal		
LD50	Guinea pig	> 8.3 g/kg
Oral		
LD50	Rat	> 12.8 g/kg

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

Skin corrosion/irritation Health injuries are not known or expected under normal use. May be irritating to the skin.

Irritation Corrosion - Skin

ISOPROPYL ALCOHOL
Acute dermal irritation; OECD 404
Result: Non-irritant
Notes: UN SIDS evaluation: 2-Propanol

Serious eye damage/eye irritation Health injuries are not known or expected under normal use. May be irritating to eyes.

Eye

ISOPROPYL ALCOHOL
OECD 405
Result: Mild irritant
Species: Rabbit
Notes: UN SIDS evaluation: 2-Propanol

Respiratory sensitisation Health injuries are not known or expected under normal use.

Skin sensitisation Health injuries are not known or expected under normal use.

Germ cell mutagenicity Health injuries are not known or expected under normal use.

Mutagenicity

ISOPROPYL ALCOHOL
Ames
Result: negative
In vivo Micronucleus
Result: negative
Species: Mouse
SA7 - Sister Chromatid Exchange
Result: negative
Sister Chromatid Exchange, V79 cells
Result: negative
mammalian cell mutation assay (CHO/HGPRT forward mutation assay)
Result: negative

Carcinogenicity Health injuries are not known or expected under normal use.

ISOPROPYL ALCOHOL
2 year bioassay, Inhalation study
Result: negative
Species: Rat
Notes: UN SIDS evaluation: 2-Propanol
Inhalation study
Result: negative
Species: Mouse
Notes: UN SIDS evaluation: 2-Propanol

IARC Monographs. Overall Evaluation of Carcinogenicity

PERMETHRIN (CAS 52645-53-1) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Health injuries are not known or expected under normal use.

Reproductivity

ISOPROPYL ALCOHOL

< 1200 mg/kg/day Embryo-foetal development, Developmental neurotoxicity
Result: Foetal NOAEL
Species: Rabbit
Notes: UN SIDS evaluation: 2-Propanol
< 240 mg/kg/day Epidemiology
Result: Maternal NOAEL
Species: Human
< 400 mg/kg/day Embryo-foetal development
Result: Maternal NOAEL
Species: Rabbit
Notes: UN SIDS evaluation: 2-Propanol
< 480 mg/kg/day Epidemiology
Result: Foetal NOAEL
Species: Human
< 500 mg/kg/day Two generation study
Result: Maternal toxicity; adverse effects on offspring.
Species: Rat
Notes: UN SIDS evaluation: 2-Propanol

Specific target organ toxicity - single exposure Narcotic effects.

ISOPROPYL ALCOHOL

Result: Narcosis
Organ: Central nervous system.

Specific target organ toxicity - repeated exposure None known.

Aspiration hazard Not an aspiration hazard.

Mixture versus substance information No information available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity The product contains a substance which may cause long-term adverse effects in the environment.

Components		Species	Test results
Isopropyl alcohol (CAS 67-63-0)			
Aquatic			
Acute			
Activated Sludge Respiration	IC50	Industrial sludge	> 1000 mg/l, 3 hours
Algae	EC50	Green algae (Scenedesmus subspicatus)	> 1000 mg/l, 72 hours
Crustacea	EC50	Water flea (Daphnia magna)	13299 mg/l, 48 hours Static test
Fish	EC50	Bluegill sunfish (Juvenile Lepomis macrochirus)	> 1400 mg/l, 96 hours Static test
		Fathead minnow (Juvenile Pimephales promelas)	6550 - 10400 mg/l, 96 hours Flow-through test
		Mosquito fish (Juvenile Gambusia affinis)	> 1400 mg/l, 96 hours Static test
LAURYL ALCOHOL (CAS 112-53-8)			
Aquatic			
Acute			
Fish	EC50	Fathead minnow (Adult Pimephales promelas)	1.01 mg/l, 96 hours Flow-through test
PERMETHRIN (CAS 52645-53-1)			
Aquatic			
Acute			
Algae	EC50	Green algae (Scenedesmus subspicatus)	> 1.9 mcg/l, 72 hours Measured
	NOEC	Algae	1.9 mcg/l
Crustacea	EC50	Water flea (Daphnia magna)	1.25 mcg/l, 48 hours Static test

Components		Species	Test results
Fish	EC50	Bluegill sunfish (Adult Lepomis macrochirus)	0.79 mcg/l, 96 hours Flow-through test
		Fathead minnow (Adult Pimephales promelas)	3 mcg/l, 96 hours Static renewal test
		Rainbow trout (Adult Oncorhyncus mykiss)	0.62 mcg/l, 96 hours Flow-through test
Microtox	EC50	Microtox	0.56 mg/l, 5 minutes
Chronic			
Fish	Growth test LOEC	Fathead minnow (Juvenile Pimephales promelas)	1.4 mcg/l, 32 days Flow-through test
	Growth test NOEC	Fish	0.66 mcg/l, 32 days

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

12.2. Persistence and degradability

Photolysis

Half-life (Photolysis-aqueous)

PERMETHRIN	33 Days Estimated

Half-life (Photolysis-atmospheric)

Isopropyl alcohol	3.1 - 14.5 Days Measured
LAURYL ALCOHOL	22 Hours Estimated
PERMETHRIN	9.8 Hours Estimated

Half-life (Photolysis-soil)

PERMETHRIN	30 Days Estimated

Hydrolysis

Half-life (Hydrolysis-basic)

PERMETHRIN	50 Days

Biodegradability

Percent degradation (Aerobic biodegradation-inherent)

Isopropyl alcohol	99.9 %, 28 days Coupled Unit test (OECD 303A), Activated sludge
PERMETHRIN	50 - 85 %, 28 days, Lake water

Percent degradation (Aerobic biodegradation-ready)

Isopropyl alcohol	95 %, 20 Days Batch activated sludge (BAS), Activated sludge
LAURYL ALCOHOL	20 %, 5 days BOD, Activated sludge

Percent degradation (Aerobic biodegradation-soil)

PERMETHRIN	> 50 %, 28 days

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Isopropyl alcohol	0.26
LAURYL ALCOHOL	5.13
PERMETHRIN	6.5
STEARYL DIMETHYL BENZYL AMMONIUM	3.23

Bioconcentration factor (BCF)

LAURYL ALCOHOL	2.5 - 3.7 Estimated
PERMETHRIN	2800 Measured, Pimephales promelas, fathead minnow

12.4. Mobility in soil

Adsorption

Soil/sediment sorption - log Koc

LAURYL ALCOHOL	5.16 Estimated
PERMETHRIN	4.02 - 4.93 Measured

Mobility in general

Volatility

Henry's law

Isopropyl alcohol	0.000008 atm m^3/mol Measured, 25 °C
PERMETHRIN	0 atm m^3/mol, 25 C Estimated

12.5. Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects Not available.

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 Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose in accordance with all applicable regulations.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number UN1987

14.2. UN proper shipping name Alcohols, n.o.s. (PERMETHRIN CREME RINSE (CONTAINING ISOPROPYL ALCOHOL))

14.3. Transport hazard class(es)

Class 3

Subsidiary risk -

Label(s) 3

Hazard No. (ADR) Not available.

Tunnel code Not available.

14.4. Packing group III

14.5. Environmental hazards Yes

14.6. Special precautions for user Not available.

Additional information:

Special Provisions 172, B1, IB3, T4, TP1, TP29

IATA

14.1. UN number UN1987

14.2. UN proper shipping name Alcohols, n.o.s. (PERMETHRIN CREME RINSE (CONTAINING ISOPROPYL ALCOHOL))

14.3. Transport hazard class(es) 3

Subsidiary class(es) -

14.4. Packing group III

Labels required 3

14.5. Environmental hazards Yes

14.6. Special precautions for user Not available.

Other information

Cargo aircraft only Forbidden.

IMDG

14.1. UN number UN1987

14.2. UN proper shipping name ALCOHOLS, N.O.S. (PERMETHRIN CREME RINSE (CONTAINING ISOPROPYL ALCOHOL))

14.3. Transport hazard class(es)

Class 3

Subsidiary risk -

Label(s) 3

14.4. Packing group III

14.5. Environmental hazards

Marine pollutant Yes

EmS F-E, S-D

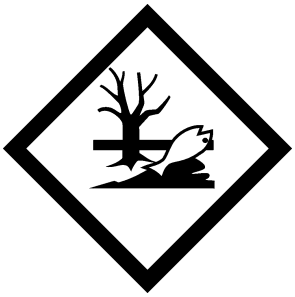
14.6. Special precautions for user Not available.

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

MARPOL Annex II applies to liquids used in a ship's operation that pose a threat to the marine environment. These materials may not be transported in bulk.

ADR; IATA; IMDG

Marine pollutant



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

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

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

PERMETHRIN (CAS 52645-53-1)

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

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Isopropyl alcohol (CAS 67-63-0)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not listed.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not listed.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of 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

Isopropyl alcohol (CAS 67-63-0)
PERMETHRIN (CAS 52645-53-1)

Directive 94/33/EC on the protection of young people at work

PERMETHRIN (CAS 52645-53-1)

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.
National regulations	Young people under 18 years old are not allowed to work with this product according to the EU Directive 94/33/EC on the protection of young people at work. 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 statements or R-phrases and H-statements under Sections 2 to 15	R10 Flammable. R11 Highly flammable. R20/22 Harmful by inhalation and if swallowed. R36 Irritating to eyes. R36/38 Irritating to eyes and skin. R43 May cause sensitization by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R67 Vapours may cause drowsiness and dizziness. H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
Revision information	Product and Company Identification: Product and Company Identification Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Transport Information: Material Transportation Information Regulatory Information: Risk Phrases - Class. GHS: Classification
Training information	Follow training instructions when handling this material.
Disclaimer	The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.