

Product Hand Sanitising Gel  
 Revision date 12 April 2021  
 Revision 2



**Safety Data Sheet (SDS)**  
 according to Regulation (EC) No. 1907/2006

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

<b>Product name</b>	<b>Hand Sanitising Gel</b>
<b>Product no.</b>	<b>HPCSANIGEL</b>
<b>Other means of identification</b>	<b>HPCSANIGEL</b>

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

<b>Identified uses</b>	Hand Sanitiser. For professional use only.
<b>Uses advised against</b>	Any other purpose.

**1.3 Details of the supplier of the safety data sheet**

<b>Supplier</b>	Kitchenmaster NI Ltd 11 Comber Road Belfast BT8 8AN United Kingdom Tel: 028 90814777
<b>Contact person</b>	sales@kitchenmaster-ni.com

**1.4 Emergency telephone number**

<b>Emergency telephone</b>	Emergency Telephone Number: 028 9081 4777 08:30 – 17:00 Monday to Thursday 08:30 – 16:30 Friday
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**Section 2: Hazards identification**

**2.1 Classification of the substance or mixture**

<b>Classification (EC 1272/2008)</b>	
Physical and chemical hazards	Flam. Liq 2- H225
Human health	Eye Irrit.2A - H319
Environment	Not classified

**2.2 Label elements**

<b>Contains</b>	Not applicable
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**Label in accordance with (EC) no. 1272/2008**



<b>Signal word</b>	Danger
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<b>Hazard statements</b>	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
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<b>Precautionary statements</b>	<b>Prevention</b> P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking. P233 Keep container tightly closed. P280 Wear protective gloves/ protective clothing/eye protection/face protection.
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**Response**

P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

**Storage**

P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal**

P501 Dispose of contents/ container to a licensed hazardous waste disposal facility in accordance with all applicable regulations.

**2.3 Other hazards**

None known.

**Section 3: Composition/information on ingredients****3.1 Substance**

Not applicable.

**3.2 Mixtures**

Name	Product identifier	Regulation (EC) No 1272/2008	%
ETHANOL	CAS-No.: 64-17-5 EC No.: 200-578-6 REACH Reg No.: 01-2119457610-43-XXXX	Flam. Liq 2- H225, Eye Irrit.2A - H319	60-70%
2-methylpropan-2-ol	CAS-No.: 75-65-0 EC No.: 200-889-7	Acute Tox 4 - H332, Eye Irrit.2A - H319, STOT SE 3 - H335, Flam. Liq 2- H225	<0.1%
cyclohexane	CAS-No.: 110-82-7 EC No.: 203-806-2	Flam. Liq 2- H225, Asp. Tox - H304, Skin Irrit.2 - H315, STOT SE 3 - H336, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	<0.1%

The full text for all hazard statements are displayed in section 16.

**Composition comments**

The data shown are in accordance with the latest EC Directives.  
Ethanol: Specific Concentration Limits - Eye Irrit. 2; H319: >= 50.

**Section 4: First aid measures****4.1 Description of first aid measures****General information**

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

**Inhalation**

If this product is inhaled, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist.

**Ingestion**

Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**Skin contact**

If this product contacts the skin, immediately flush the affected area with large amount of water for at least fifteen (15) minutes. If the product penetrates the clothing, promptly remove the contaminated clothing or shoes, and flush the affected area as described. Seek medical attention if irritation develops.

**Eye contact**

If this product contacts the eyes, gently flush eyes with lukewarm water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if worn. Seek medical attention if irritation persists. Avoid contaminating unaffected eye.

**4.2 Most important symptoms and effects, both acute and delayed****General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**

Inhalation of high concentrations may cause drowsiness, headache, blurred vision, dizziness or nausea.

**Ingestion**

May cause discomfort if swallowed.

**Skin contact**

Prolonged contact may cause redness, irritation and dry skin.

**Eye contact**

Irritating and may cause redness and pain. Causes serious eye irritation.

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

<b>Notes to the physician</b>	Treat symptomatically.
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**Section 5: Firefighting measures****5.1 Extinguishing media**

<b>Extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media</b>	High volume water jet.

**5.2 Special hazards arising from the substance or mixture**

<b>Hazardous combustion products</b>	During fire, toxic gases (CO, CO <sub>2</sub> ) are formed.
<b>Unusual fire &amp; explosion hazards</b>	Flammable vapours may spread to sources of ignition or accumulate in confined spaces.
<b>Specific hazards</b>	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). In the event of damage to packaging, floors may become slippery, avoid falls.

**5.3 Advice for firefighters**

<b>Special fire fighting procedures</b>	If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water if safe to do so. Dike and collect extinguishing water.
<b>Protective equipment for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Section 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Do not touch or walk through spilled material. If necessary evacuate surrounding areas.
<b>For emergency responders</b>	Follow safe handling advice and personal protective equipment recommendations for normal use of product.

**6.2 Environmental precautions**

<b>Environmental precautions</b>	Do not discharge onto the ground or into water courses.
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**6.3 Methods and material for containment and cleaning up**

<b>Spill clean up methods</b>	Stop leak if possible without risk. When dealing with a spillage, wear necessary protective equipment. Eliminate all ignition sources. Absorb spillage with non-combustible, inert absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage. Floors may become slippery, avoid falls.
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**6.4 Reference to other sections**

<b>Reference to other sections</b>	See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.
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**Section 7: Handling and storage****7.1 Precautions for safe handling**

<b>Handling</b>	Read and follow manufacturer's recommendations. Use proper personal protection when handling (refer to Section 8). Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Avoid contact with eyes.
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**7.2 Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	Keep upright, locked up and out of reach of children. Keep the product in its original container. Store in cool dry areas away from direct sunlight or sources of ignition.
<b>Storage class</b>	Flammable liquid storage.

**7.3 Specific end use(s)**

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	Use only according to directions. Replace and tighten cap after use.

**Section 8: Exposure controls/Personal protection****8.1 Control parameters**

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
ETHANOL	OEL			1000 ppm		
ETHANOL	WEL	1000 ppm	1920 mg/m <sup>3</sup>			
2-methylpropan-2-ol	WEL	100 ppm	308 mg/m <sup>3</sup>	150 ppm	462 mg/m <sup>3</sup>	
2-methylpropan-2-ol	OEL	100 ppm	300 mg/m <sup>3</sup>			
cyclohexane	OEL	200 ppm	700 mg/m <sup>3</sup>			IOELV
cyclohexane	WEL	100 ppm	350 mg/m <sup>3</sup>	300 ppm	1050 mg/m <sup>3</sup>	

<b>Ingredient comments</b>	Ireland, Occupational Exposure Limits 2020. WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits.
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**8.2 Exposure Controls****Protective equipment**

<b>Engineering measures</b>	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
<b>Respiratory equipment</b>	Respiratory protection not required in normal conditions. In case of large scale spill in confined area: Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. Use respiratory equipment with gas filter, type A: organic vapours (EN141). Consult manufacturer for specific advice.
<b>Hand protection</b>	Not normally required, however helpful for prolonged or repeated contact. Suggested material: Rubber (natural, latex) Consult manufacturer for advice.
<b>Eye protection</b>	Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).
<b>Other protection</b>	Protective clothing not required for normal use of the product. Protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. The selected clothing must satisfy the European norm standard EN 943.
<b>Hygiene measures</b>	Observe normal hygiene standards. When using do not eat, drink or smoke.
<b>Process conditions</b>	Ensure that eye flushing systems and safety showers are located close by in the work place.

**Section 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Viscous gel.
<b>Colour</b>	Colourless.
<b>Odour</b>	Alcohol.
<b>Odour threshold - lower</b>	No information available as testing has not been completed.
<b>Odour threshold - upper</b>	No information available as testing has not been completed.

<b>pH-Value, Conc. Solution</b>	6 - 8
<b>pH-Value, Diluted solution</b>	Not applicable as the product is a concentrated solution.
<b>Melting point</b>	No information available as testing has not been completed.
<b>Initial boiling point and boiling range</b>	No information available as testing has not been completed.
<b>Flash point</b>	Approx 18°C
<b>Evaporation rate</b>	No information available as testing has not been completed.
<b>Flammability state</b>	Highly flammable liquid and vapour.
<b>Flammability limit - lower(%)</b>	No information available as testing has not been completed.
<b>Flammability limit - upper(%)</b>	No information available as testing has not been completed.
<b>Vapour pressure</b>	No information available as testing has not been completed.
<b>Vapour density (air=1)</b>	No information available as testing has not been completed.
<b>Relative density</b>	0.88 - 0.92 kg/l (at 20°C)
<b>Bulk density</b>	No information available as testing has not been completed.
<b>Solubility</b>	Soluble in water.
<b>Decomposition temperature</b>	No information available as testing has not been completed.
<b>Partition coefficient; n- Octanol/Water</b>	Not applicable as the product is a mixture.
<b>Auto ignition temperature (°C)</b>	No information available as testing has not been completed.
<b>Viscosity</b>	No information available as testing has not been completed.
<b>Explosive properties</b>	Not classified as explosive.
<b>Oxidising properties</b>	The product does not meet the criteria to be classified as oxidising.

## **9.2 Other information**

<b>Molecular weight</b>	Not applicable as the product is a mixture.
<b>Volatile organic compound</b>	No information available as testing has not been completed.
<b>Other information</b>	None noted.

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## **Section 10: Stability and reactivity**

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### **10.1 Reactivity**

<b>Reactivity</b>	No specific reactivity hazards associated with this product.
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### **10.2 Chemical stability**

<b>Stability</b>	Stable under normal temperature conditions and recommended use
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### **10.3 Possibility of hazardous reactions**

<b>Hazardous reactions</b>	For information on hazardous reaction see section 10.1.
<b>Hazardous polymerisation</b>	Unknown
<b>Polymerisation description</b>	Unknown.

### **10.4 Conditions to Avoid**

<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of
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ignition.

### 10.5 Incompatible materials

**Materials to avoid** Keep away from incompatibles such as oxidizing agents, acids, alkalis.

### 10.6 Hazardous decomposition products

**Hazardous decomposition products** Fire creates: Toxic gases/vapours/fumes of carbon monoxide (CO), and carbon dioxide (CO<sub>2</sub>).

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## Section 11: Toxicological information

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

<b>Toxicological information</b>	No toxicological information for the overall finished product.
<b>Acute toxicity (Oral LD50)</b>	No information available as testing has not been completed.
<b>Acute toxicity (Dermal LD50)</b>	No information available as testing has not been completed.
<b>Acute toxicity (Inhalation LD50)</b>	No information available as testing has not been completed.
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b>Skin corrosion/irritation</b>	The product is not classified as a skin corrosion/irritation hazard.
<b>Respiratory sensitisation</b>	The product is not classified as a respiratory hazard.
<b>Skin sensitisation</b>	The product is not classified as a skin sensitisation hazard.
<b>Germ cell mutagenicity</b>	The product is not classified as a mutagen.
<b>Carcinogenicity</b>	The product is not classified as a carcinogen hazard.
<b>Specific target organ toxicity - Single exposure:</b>	
<b>STOT - Single exposure</b>	The product is not classified as a single exposure specific target organ toxin.
<b>Specific target organ toxicity - Repeated exposure:</b>	
<b>STOT - Repeated exposure</b>	The product is not classified as a repeat exposure specific target organ toxin.
<b>Inhalation</b>	Inhalation of high concentrations may cause drowsiness, headache, blurred vision, dizziness or nausea.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	Irritating and may cause redness and pain. Causes serious eye irritation.
<b>Waste management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
<b>Routes of entry</b>	Eyes, skin, ingestion or inhalation.
<b>Target organs</b>	Eyes, skin, digestive system, respiratory system, central nervous system.
<b>Aspiration hazards:</b>	The product is not classified as an aspiration hazard.
<b>Reproductive toxicity:</b>	The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
ETHANOL	10470.00mg/kg Rat	>2000.00mg/kg Rabbit	51.00mg/l (vapours) Rat 4 Hours

### 11.2 Information on other hazards

**Information on other hazards** None known.

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## Section 12: Ecological information

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### 12.1 Toxicity

<b>Acute toxicity - Fish</b>	No information available as testing has not been completed.
<b>Acute toxicity - Aquatic invertebrates</b>	No information available as testing has not been completed.
<b>Acute toxicity - Aquatic plants</b>	No information available as testing has not been completed.
<b>Acute toxicity - Microorganisms</b>	No information available as testing has not been completed.

<b>Chronic toxicity - Fish</b>	No information available as testing has not been completed.
<b>Chronic toxicity - Aquatic invertebrates</b>	No information available as testing has not been completed.
<b>Chronic toxicity - Aquatic plants</b>	No information available as testing has not been completed.
<b>Chronic toxicity - Microorganisms</b>	No information available as testing has not been completed.
<b>Ecotoxicity</b>	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.
<b>Eco toxicological information</b>	Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.

**12.2 Persistence and degradability**

<b>Degradability</b>	The degradability of the product has not been stated.
<b>Biological oxygen demand</b>	No information available as testing has not been completed.
<b>Chemical oxygen demand</b>	No information available as testing has not been completed.

**12.3 Bioaccumulative potential**

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
<b>Bioaccumulation factor</b>	No information available as testing has not been completed.
<b>Partition coefficient; n-Octanol/Water</b>	Not applicable as the product is a mixture.

**12.4 Mobility in soil**

<b>Mobility</b>	The product is soluble in water.
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**12.5 Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** The product does not contain any PBT or vPvB Substances.

**12.6 Endocrine disrupting properties**

<b>Endocrine disrupting properties</b>	The product does not contain any substances with endocrine disrupting properties at a concentration above or equal to 0.1%.
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**12.7 Other adverse effects**

<b>Other adverse effects</b>	None known.
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Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
cyclohexane	LC50 96 Hours 4.50mg/l Pimephales promelas (Fat-head Minnow)	EC50 48 Hours 0.90mg/l Daphnia magna	EC50 72 Hours 9.32mg/l Selenastrum Capricornutum
ETHANOL	LC50 96 Hours 15300.00mg/l Pimephales promelas (Fat-head Minnow)	EC50 48 Hours 12340.00mg/l Daphnia magna	

**Section 13: Disposal considerations**

<b>Waste management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
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**13.1 Waste treatment methods**

<b>Disposal methods</b>	Dispose of waste and residues in accordance with local authority requirements.
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**Section 14: Transport information****14.1 UN number or ID number**

<b>UN no. (ADR)</b>	UN1170
<b>UN no. (IMDG)</b>	UN1170
<b>UN no. (IATA)</b>	UN1170

**14.2 UN proper shipping name**

ADR proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
IMDG proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
IATA proper shipping name	ETHANOL SOLUTION

**14.3 Transport hazard class(es)**

ADR class	3
IMDG class	3
IATA class	3

Transport labels

**14.4 Packing group**

ADR/RID/ADN packing group	II
IMDG packing group	II
IATA packing group	II

**14.5 Environmental hazards**

ADR	No
IMDG	No
IATA	No

**14.6 Special precautions for user**

EMS	F-E, S-D
Emergency action code	A3 A58 A180
Hazard no. (ADR)	33
Tunnel restriction code	(D/E)

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**Section 15: Regulatory information****15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).  REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.  Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019.
<b>Approved code of practice</b>	Workplace Exposure Limits Guidance Note EH40/2005.  2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)

**15.2 Chemical safety assessment**

Chemical safety assessment	No chemical safety assessment has been carried out.
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**Section 16: Other information**

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<b>General information</b>	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
<b>Revision comments</b>	This is a second issue. [1]Information updated. [2]Information updated. [3]Information updated. [7]Information updated. [8]Information updated. [9]Information updated. [10]Information updated. [11]Information updated. [12]Information updated. [15]Information updated.
<b>Revision date</b>	12 April 2021
<b>Revision</b>	2
<b>Safety data sheet status</b>	Approved.

**Hazard statements in full**

<b>H225</b>	Highly flammable liquid and vapour.
<b>H319</b>	Causes serious eye irritation.
<b>H226</b>	Flammable liquid and vapour.
<b>H332</b>	Harmful if inhaled.
<b>H335</b>	May cause respiratory irritation.
<b>H302</b>	Harmful if swallowed.
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H315</b>	Causes skin irritation.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.

**Disclaimer**

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.