	<b>SLICK 50 SYNTHETIC ENGINE TREATMENT</b> Code: 62399750	
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Version: 2 Revision: 28/02/2014

Previous revision: 20/12/2013

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

1.1	<u>PRODUCT IDENTIFIER:</u> SLICK 50 SYNTHETIC ENGINE TREATMENT Code: 62399750
1.2	<u>RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST:</u> <u>Intended uses (main technical functions):</u> <span style="float: right;">[ ] Industrial [X] Professional [X] Consumers</span> Engine additive. <u>Uses advised against:</u> <i># This product is not recommended for any use or sector of use industrial, professional or consume other than those previously listed as 'Intended or identified uses'. If your use is not covered, please contact the supplier of this material safety data sheet.</i> <u>Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:</u> Not restricted.
1.3	<u>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</u> Kraco Car Care International Ltd. Grosvenor House, 20 Barrington Road, Altrincham, Cheshire WA14 1HB, U.K. Phone: +44 (0)161-927-7000 <u>E-mail address of the person responsible for the safety data sheet:</u> KCCI-orders@kraco.com
1.4	<u>EMERGENCY TELEPHONE NUMBER:</u> +32 3 575 11 30

**SECTION 2 : HAZARDS IDENTIFICATION**

2.1	<u>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:</u> Classification in accordance with Regulation (EC) No. 1272/2008 (CLP): _____ Aquatic Chronic 3:H412					
	<u>Danger class</u>	<u>Classification of the mixture</u>	<u>Cat.</u>	<u>Routes of exposure</u>	<u>Target organs</u>	<u>Effects</u>
	<u>Physicochemical:</u> Not classified	Aquatic Chronic 3:H412	Cat.3	-	-	-
	<u>Human health:</u> Not classified					
	<u>Environment:</u>					
	<u>Classification in accordance with Directive 1999/45/EC~2006/8/EC (DPD):</u> R52-53					

2.2	<u>LABEL ELEMENTS:</u> This product does not require pictograms, in accordance with Regulation (EC) No. 1272/2008 (CLP) <u>Hazard statements:</u> H412 Harmful to aquatic life with long lasting effects. <u>Precautionary statements:</u> P102 Keep out of reach of children. P273-P501a Avoid release to the environment. Dispose of contents/container in a safe way. <u>Supplementary statements:</u> None. <u>Hazardous ingredients:</u> None in a percentage equal to or higher than the limit for the name.
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2.3	<u>OTHER HAZARDS:</u> Hazards which do not result in classification but which may contribute to the overall hazards of the mixture: <u>Other physicochemical hazards:</u> No other relevant adverse effects are known. <u>Other adverse human health effects:</u> No other relevant adverse effects are known. <u>Other negative environmental effects:</u> Does not contain substances that fulfil the PBT criteria.
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**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

3.1	<b>SUBSTANCES:</b> Not applicable (mixture).							
3.2	<p><b>MIXTURES:</b> This product is a mixture.</p> <p><u>Chemical description:</u> Solution of chemicals.</p> <p><u>Hazardous ingredients:</u> Substances taking part in a percentage higher than the exemption limit:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top;">2,5 &lt; 5 %</td> <td style="width: 65%;"> <p><b>Calcium poly-C&gt;13-alkyl salicylate</b> EC: Polymer DSD: R52-53 CLP: Aquatic Chronic 3:H412</p> </td> <td style="width: 20%; text-align: right; vertical-align: top;">Autoclassified</td> </tr> <tr> <td style="vertical-align: top;">  1 &lt; 2,5 %                 </td> <td> <p><b>Zinc C1-C14-dialkyldithiophosphate</b> CAS: 68649-42-3 , EC: 272-028-3 DSD: Xi:R36   N:R51-53 CLP: Eye Irrit. 2:H319   Aquatic Chronic 2:H411</p> </td> <td style="text-align: right; vertical-align: top;">Autoclassified</td> </tr> </table> <p><u>Impurities:</u> Does not contain other components of impurities which will influence the classification of the product.</p> <p><u>Reference to other sections:</u> For more information, see sections 8, 11, 12 and 16.</p> <p><u>SUBSTANCES OF VERY HIGH CONCERN (SVHC):</u> List updated by ECHA on 16/12/2013. <u>Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:</u> None <u>Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:</u> None</p>		2,5 < 5 %	<p><b>Calcium poly-C&gt;13-alkyl salicylate</b> EC: Polymer DSD: R52-53 CLP: Aquatic Chronic 3:H412</p>	Autoclassified	 1 < 2,5 %	<p><b>Zinc C1-C14-dialkyldithiophosphate</b> CAS: 68649-42-3 , EC: 272-028-3 DSD: Xi:R36   N:R51-53 CLP: Eye Irrit. 2:H319   Aquatic Chronic 2:H411</p>	Autoclassified
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**SECTION 4 : FIRST AID MEASURES**

4.1 4.2	<b>DESCRIPTION OF FIRST-AID MEASURES AND MAIN SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:</b>	
	Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.	
	<b>Route of exposure</b>	<b>Symptoms and effects, acute and delayed</b>
	<u>Inhalation:</u>	Normally does not produce symptoms.
	<u>Skin:</u>	Normally does not produce symptoms.
	<u>Eyes:</u>	Normally does not produce symptoms.
	<u>Ingestion:</u>	If swallowed in high doses, may cause gastrointestinal disturbances.
		<b>Description of first-aid measures</b>
		<i># In case of mist or vapour inhalation, move the patient to a well ventilated area.</i>
		Remove contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser.
		Rinse eyes copiously by irrigation with plenty of clean, fresh water, holding the eyelids apart. Remove contact lenses. If irritation persists, consult a physician.
		If swallowed, seek immediate medical attention. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.

4.3	<p><b>INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:</b></p> <p><u>Notes to physician:</u> Treatment should be directed at the control of symptoms and the clinical condition of the patient.</p> <p><u>Antidotes and contraindications:</u> Not available.</p>	
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**SECTION 5 : FIRE-FIGHTING MEASURES**

5.1	<p><b>EXTINGUISHING MEDIA:</b> # Extinguishing powder or CO2. In the case of more important fires, also alcohol resistant foam. Water may serve for cooling, but it is inefficient in extinguishing. Do not use for extinguishing: direct water jet. Direct water jet may not be effective to extinguish the fire, since the fire may spread.</p>
5.2	<p><b>SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:</b> Fire can produce a dense black smoke. As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide, phosphorus oxides, sulfur oxides. Exposure to combustion or decomposition products may be a hazard to health.</p>
5.3	<p><b>ADVICE FOR FIREFIGHTERS:</b> <b>Special protective equipment:</b> Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or not used, combat fire from a sheltered position or at a safe distance. The standard EN469 provides a basic level of protection for chemical incidents. <b>Other recommendations:</b> Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.</p>


**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

6.1	<p><b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</b> # It is recommended not to smoke. Avoid direct contact with this product. The floor may become slippery.</p>
6.2	<p><b>ENVIRONMENTAL PRECAUTIONS:</b> Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.</p>
6.3	<p><b>METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:</b> Contain and mop up spills with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc..). Clean preferably with a biodegradable detergent. Keep the remains in a closed container.</p>
6.4	<p><b>REFERENCE TO OTHER SECTIONS:</b> For contact information in case of emergency, see section 1. For information on safe handling, see section 7. For exposure controls and personal protection measures, see section 8. For subsequent waste disposal, follow the recommendations in section 13.</p>

**SECTION 7 : HANDLING AND STORAGE**

7.1	<p><b>PRECAUTIONS FOR SAFE HANDLING:</b> Comply with the existing legislation on health and safety at work. <b>General recommendations:</b> Avoid any type of leakage or escape. Keep the container tightly closed. <b>Recommendations for the prevention of fire and explosion risks:</b> Although due its low flammability does not represent a serious risk of fire, all type of measures should be taken in order to avoid any possibility of ignition. - Flash point : 220. °C <b>Recommendations for the prevention of toxicological risks:</b> Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8. <b>Recommendations for the prevention of environmental contamination:</b> # Avoid any spillage in the environment. Pay special attention to the cleaning water. In the case of accidental spillage, follow the instructions indicated in section 6.</p>
7.2	<p><b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</b> Prevent unauthorized access. Keep out of reach of children. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. If possible, avoid direct contact with sunlight. Avoid extreme humidity conditions. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10. <b>Class of store</b> : According to current legislation. <b>Maximum storage period</b> : 5. years <b>Temperature interval</b> : min: 5. °C, max: 40. °C <b>Incompatible materials:</b> Keep away from oxidizing agents. <b>Type of packaging:</b> According to current legislation. <b>Limit quantity (Seveso III): Directive 96/82/EC~2003/105/EC:</b> Not applicable.</p>

7.3	<p><b>SPECIFIC END USES:</b> For the use of this product do not exist particular recommendations apart from that already indicated.</p>
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**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS:**  
If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689 standard concerning methods for assessing the exposure by inhalation to chemical agents and national guidance documents for methods for the determination of dangerous substances.

<u>Occupational Exposure Limit Values (TLV)</u> AGCIH 2011	Year	<u>TLV-TWA</u> ppm	mg/m3	<u>TLV-STEL</u> ppm	mg/m3	<u>Observations</u>
Mineral oil	1999		5.0		10.	Mist

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.

BIOLOGICAL LIMIT VALUES:  
Not available

DERIVED NO-EFFECT LEVEL (DNEL):  
Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from a occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

<u>Derived no-effect level, workers:</u> - Systemic effects, acute and chronic: Not available (without data of registration REACH).	<u>DNEL Inhalation</u> mg/m3	-	<u>DNEL Cutaneous</u> mg/kg bw/d	-	<u>DNEL Oral</u> mg/kg bw/d	-
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<u>Derived no-effect level, workers:</u> - Local effects, acute and chronic: Not available (without data of registration REACH).	<u>DNEL Inhalation</u> mg/m3	-	<u>DNEL Cutaneous</u> mg/cm2	-	<u>DNEL Eyes</u> mg/cm2	-
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Derived no-effect level, general population:  
Not applicable (product for professional or industrial use).

PREDICTED NO-EFFECT CONCENTRATION (PNEC):

<u>Predicted no-effect concentration, aquatic organisms:</u> - Fresh water, marine water and intermitent release: Not available (without data of registration REACH).	<u>PNEC Fresh water</u> mg/l	-	<u>PNEC Marine</u> mg/l	-	<u>PNEC Intermittent</u> mg/l	-
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<u>- Wastewater treatment plants (STP) and sediments in fresh- and marine water:</u> Not available (without data of registration REACH).	<u>PNEC STP</u> mg/l	-	<u>PNEC Sediments</u> mg/kg dry weight	-	<u>PNEC Sediments</u> mg/kg dry weight	-
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<u>Predicted no-effect concentration, terrestrial organisms:</u> - Air, soil and effects for predators and humans: Not available (without data of registration REACH).	<u>PNEC Air</u> mg/m3	-	<u>PNEC Soil</u> mg/kg dry weight	-	<u>PNEC Oral</u> mg/kg bw/d	-
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8.2 EXPOSURE CONTROLS:

ENGINEERING MEASURES:



Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.

Protection of respiratory system: # Avoid the inhalation of mists.

Protection of eyes and face: # It is recommended to dispose of water taps, sources or eyewash bottles with clean water close to the working area.

Protection of hands and skin: It is recommended to dispose of water taps or sources with clean water close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

OCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC~96/58/EC:

As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding EC marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc.), you should consult the informative brochures provided by the manufacturers of PPE.

Mask: # No, unless the inhalation of mists is to be avoided.

Goggles: Safety goggles with suitable lateral protection (EN166). Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.



Face shield: No.

Gloves: # Oil-resistant gloves (EN374). When it can be a repeated or prolonged contact, it is recommended to use gloves with a protection level 5 or higher, with a breakthrough time >240 min. When you only expects a short contact, it is recommended to use gloves with a protection level 2 or higher, with a breakthrough time >30 min. The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, we must have in mind the manual of instructions from manufacturers of gloves. The gloves should be immediately replaced when any sign of degradation is noted.



Boots: No.

Apron: No.

Clothing: # Suitable work clothes which avoid contact with the product should be worn. Do not use contaminated clothing or shoes. Wash contaminated work clothes before wearing them again.



Thermal hazards:  
Not applicable.


ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment.

Spills on the soil: Prevent contamination of soil.

Spills in water: # Important spills may form a film on the surface of the water which prevents oxygenation of the same, thus harming aquatic organisms. Harmful to aquatic organisms. May cause long-term adverse effects on the aquatic environment. Do not allow to escape into drains, sewers or water courses.

Emissions to the atmosphere: Not applicable.

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**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

9.1	<p><u>INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:</u></p> <p><u>Appearance</u></p> <ul style="list-style-type: none"> <li>- Physical state : Liquid.</li> <li>- Colour : Amber.</li> <li>- Odour : Characteristic</li> <li>- Odour threshold : Not available (mixture).</li> </ul> <p><u>pH-value</u></p> <ul style="list-style-type: none"> <li>- pH : Not applicable</li> </ul> <p><u>Change of state</u></p> <ul style="list-style-type: none"> <li>- Melting point : Not applicable</li> <li>- Initial boiling point : Not applicable</li> </ul> <p><u>Density</u></p> <ul style="list-style-type: none"> <li>- Relative density : # 0.85 at 20/4°C Relative water</li> </ul> <p><u>Stability</u></p> <ul style="list-style-type: none"> <li>- Decomposition temperature : Not applicable</li> </ul> <p><u>Viscosity:</u></p> <ul style="list-style-type: none"> <li>- Kinematic viscosity : Not applicable</li> </ul> <p><u>Volatility:</u></p> <ul style="list-style-type: none"> <li>- Vapour pressure : Not applicable</li> </ul> <p><u>Solubility(ies)</u></p> <ul style="list-style-type: none"> <li>- Solubility in water: : Not miscible</li> <li>- Solubility in oils and fats: : Not available</li> </ul> <p><u>Flammability:</u></p> <ul style="list-style-type: none"> <li>- Flash point : 220. °C</li> <li>- Autoignition temperature : Not applicable</li> </ul> <p><u>Explosive properties:</u> Not available.</p> <p><u>Oxidizing properties:</u> Not available.</p>
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9.2	<p><u>OTHER INFORMATION:</u></p> <ul style="list-style-type: none"> <li>- Solids : # 100. % Weight</li> </ul> <p>The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.</p>
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**SECTION 10 : STABILITY AND REACTIVITY**

10.1	<p><u>REACTIVITY:</u> Not available.</p> <p><u>Corrosivity to metals:</u> It is not corrosive to metals.</p> <p><u>Pyrophorical properties:</u> It is not pyrophoric.</p>
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10.2	<p><u>CHEMICAL STABILITY:</u> Stable under recommended storage and handling conditions.</p>
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10.3	<p><u>POSSIBILITY OF HAZARDOUS REACTIONS:</u> Possible dangerous reaction with oxidizing agents.</p>
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10.4	<p><u>CONDITIONS TO AVOID:</u></p> <p><u>Heat:</u> Keep away from sources of heat.</p> <p><u>Light:</u> If possible, avoid direct contact with sunlight.</p> <p><u>Air:</u> Not applicable.</p> <p><u>Humidity:</u> Avoid extreme humidity conditions.</p> <p><u>Pressure:</u> Not applicable.</p> <p><u>Shock:</u> Not applicable.</p>
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10.5	<p><u>INCOMPATIBLE MATERIALS:</u> Keep away from oxidizing agents.</p>
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10.6	<p><u>HAZARDOUS DECOMPOSITION PRODUCTS:</u> # As consequence of thermal decomposition, hazardous products may be produced: sulfur oxides, phosphorus oxides.</p>
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**SECTION 11 : TOXICOLOGICAL INFORMATION**

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

Dose and lethal concentrations :

- LD50 Oral Rats : > 5000. mg/kg  
 - LD50 Cutaneous Rabbits : > 2000. mg/kg

No observed adverse effect level

Not available

Lowest observed adverse effect level

Not available

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Acute toxicity:

Routes of exposure	Acute toxicity	Cat.	Main effects, acute and/or delayed
<u>Inhalation:</u> Not classified	ETA > 5000 mg/m3	-	Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met).
<u>Skin:</u> Not classified	ETA > 2000 mg/kg	-	Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met).
<u>Eyes:</u> Not classified	Not available	-	Not classified as a product with acute toxicity by eye contact (lack of data).
<u>Ingestion:</u> Not classified	ETA > 5000 mg/kg	-	Not classified as a product with acute toxicity if swallowed (based on available data, the classification criteria are not met).

CORROSION / IRRITATION / SENSITISATION :

Danger class	Target organs	Cat.	Main effects, acute and/or delayed
<u>Respiratory corrosion/irritation:</u> Not classified	-	-	Not classified as a product corrosive or irritant by inhalation (based on available data, the classification criteria are not met).
<u>Skin corrosion/irritation:</u> Not classified	-	-	Not classified as a product corrosive or irritant in contact with skin (based on available data, the classification criteria are not met).
<u>Serious eye damage/irritation:</u> Not classified	-	-	Not classified as a product corrosive or irritant in contact with eyes (based on available data, the classification criteria are not met).
<u>Respiratory sensitisation:</u> Not classified	-	-	Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).
<u>Skin sensitisation:</u> Not classified	-	-	Not classified as a product sensitising by skin contact (based on available data, the classification criteria are not met).

ASPIRATION HAZARD:

Danger class	Target organs	Cat.	Main effects, acute and/or delayed
<u>Aspiration hazard:</u> Not classified	-	-	Not classified as a product hazardous by aspiration (based on available data, the classification criteria are not met).

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

Effects	SE/RE	Target organs	Cat.	Main effects, acute and/or delayed
<u>Systemic:</u>	-			Not available.

CMR EFFECTS:

Carcinogenic effects: Is not considered as a carcinogenic product.

Genotoxicity: Is not considered as a mutagenic product.

Toxicity for reproduction: Do not harm fertility. Do not harm the fetus developing.

Effects via lactation: Not classified as a hazardous product for children breast-fed.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Routes of exposure: Not available.

Short-term exposure: Not available.

Long-term or repeated exposure: Not available.

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**ADDITIONAL INFORMATION:**

May slightly irritate the eyes temporarily. Inhalation of sprayed mist or particles in suspension may irritate the respiratory system. If swallowed, may cause gastrointestinal problems. Repeated or prolonged contact may cause cutaneous complaints.

**SECTION 12 : ECOLOGICAL INFORMATION**

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these mixture has been carried out by using the conventional calculation method of the Regulation (EC) No. 1272/2008 (CLP).

**12.1 TOXICITY:**

Acute toxicity in aquatic environment

Not available

No observed effect concentration

Not available

Lowest observed effect concentration

Not available

**12.2 PERSISTENCE AND DEGRADABILITY:**

Not available.

**12.3 BIOACCUMULATIVE POTENTIAL:**

Not available.

**12.4 MOBILITY IN SOIL:**

Not available.

**12.5 RESULTS OF PBT AND MPMB ASSESMENT:** Annex XIII of Regulation (EC) no. 1907/2006:

Not applicable.

**12.6 OTHER ADVERSE EFFECTS:**

Ozone depletion potential: Not available.

Photochemical ozone creation potential: Not available.

Earth global warming potential: In case of fire or incineration liberates CO2.

Endocrine disrupting potential: Not available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

**13.1 WASTE TREATMENT METHODS:** Directive 2008/98/EC:

Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.


Disposal of empty containers: Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC:

Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.

Procedures for neutralising or destroying the product:

# *Controlled incineration or reclaiming in special facilities for chemical waste, in accordance with local regulations.*



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**SECTION 14 : TRANSPORT INFORMATION**

14.1	<u>UN NUMBER:</u> Not applicable
14.2	<u>UN PROPER SHIPPING NAME:</u> Not applicable
14.3 14.4	<u>TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP:</u>  <u>Transport by road (ADR 2013) and Transport by rail (RID 2013):</u> Not regulated  <u>Transport by sea (IMDG 35-10):</u> Not regulated  <u>Transport by air (ICAO/IATA 2012):</u> Not regulated  <u>Transport by inland waterways (ADN):</u> Free.
14.5	<u>ENVIRONMENTAL HAZARDS:</u> # <i>Not applicable.</i>
14.6	<u>SPECIAL PRECAUTIONS FOR USER:</u> Not applicable.
14.7	<u>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:</u> Not applicable.

**SECTION 15 : REGULATORY INFORMATION**

15.1	<u>EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:</u> The regulations applicable to this product generally are listed throughout this material safety data sheet.  <u>Restrictions on manufacture, placing on market and use:</u> See section 1.2  <u>Control of the risks inherent in major accidents (Seveso III):</u> See section 7.2  <u>Tactile warning of danger:</u> Not applicable  <u>Child safety protection:</u> Not applicable  <u>OTHER REGULATIONS:</u> Not available
15.2	<u>CHEMICAL SAFETY ASSESSMENT:</u> Not applicable (mixture).



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## SECTION 16 : OTHER INFORMATION

16.1 TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:  
Hazard statements according the Regulation (EC) No. 1272/2008 (CLP), Annex III:  
H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.  
R-phrases according the Directive 67/548/EEC-2001/59/EC (DSD), Annex III:  
R36 Irritating to eyes. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:

It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of material safety data sheets and labelling of products as well.

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Agency: ECHA, <http://echa.europa.eu/>
- Access to European Union Law, <http://eur-lex.europa.eu/>
- European Chemicals Bureau: Existing Chemicals, <http://esis.jrc.ec.europa.eu/>
- Threshold Limit Values, (AGCIH, 2011).

ABBREVIATIONS AND ACRONYMS:

List of abbreviations and acronyms that can be used (but not necessarily used) in this material safety data sheet:

- REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- DSD: Dangerous Substances Directive.
- DPD: Dangerous Preparations Directive.
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations.
- CLP: European regulation on Classification, Labelling and Packaging of substances and chemical mixtures.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- ELINCS: European List of Notified Chemical Substances.
- CAS: Chemical Abstracts Service (Division of the American Chemical Society).
- UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials).
- SVHC: Substances of Very High Concern.
- PBT: Persistent, bioaccumulable and toxic substances.
- vPvB: Very persistent and very bioaccumulable substances.
- VOC: Volatile Organic Compounds.
- DNEL: Derived No-Effect Level (REACH).
- PNEC: Predicted No-Effect Concentration (REACH).
- LD50: Letal dose, 50 percent.
- LC50: Letal concentration, 50 percent.
- UN: United Nations Organisation.
- ADR: European agreement concerning the international carriage of dangerous goods by road.
- RID: Regulations concerning the international transport of dangerous goods by rail.
- IMDG: International Maritime code for Dangerous Goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization.

MATERIAL SAFETY DATA SHEET REGULATIONS:

Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No. 453/2010.

HISTORY:

Version:	Revision:
1	20/12/2013
2	28/02/2014

Modifications with respect to the previous Material Safety Data Sheet:

*# The possible legislative, contextual, numerical, methodological and normative changes with respect to the previous version are highlighted in this Material Safety Data Sheet by a mark # in red and italic.*

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.