



**Safety Data Sheet**  
**according to Regulation (EC)**  
**No. 453/2010**

## 1. Identification of the Substance/Mixture and the Company/Undertaking

- 1.1 Product Identifier** W573 **Revision Date:** 01/09/2015  
**Product Name:** WINDMASTIC TC HSX REP. KIT **Supersedes Date:** 17/09/2014  
 PART A **Version Number:** 7
- 1.2 Relevant identified uses of the substance or mixture and uses advised against** Base component of 2 components coatings - Industrial use.
- Product to be mixed with:** WINDMASTIC TC HSX REP. KIT PART B  
**Mixing ratio by volume Part A/ Part B:** 5:1
- 1.3 Details of the supplier of the safety data sheet**
- Importer:** None
- Manufacturer:** Carboline Norge AS  
 Postboks 593  
 3412 Lierstranda  
 Norway
- Regulatory / Technical Information:**  
 +47 32 85 73 00  
 +47 32 85 74 00
- Datasheet Produced by:** Larsen, Beate - ehs@stoncor.com
- 1.4 Emergency telephone number:** CHEMTREC +1 703 5273887 (Outside US)

## 2. Hazard Identification

### 2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

#### HAZARD STATEMENTS

Other EU extensions	EUH208
Flammable Liquid, category 3	H226
Skin Irritation, category 2	H315
Eye Irritation, category 2	H319
STOT, single exposure, category 3, RTI	H335
STOT, single exposure, category 3, NE	H336
Hazardous to the aquatic environment, Chronic, category 3	H412

## 2.2 Label elements

### Symbol(s) of Product



### Signal Word

Warning

### Named Chemicals on Label

n-butyl acetate, hydrocarbons, c9, aromatics, mica, 1-ethoxy-2-propylacetate

### HAZARD STATEMENTS

Other EU extensions	EUH208	Contains bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.
Flammable Liquid, category 3	H226	Flammable liquid and vapour.
Skin Irritation, category 2	H315	Causes skin irritation.
Eye Irritation, category 2	H319	Causes serious eye irritation.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment, Chronic, category 3	H412	Harmful to aquatic life with long lasting effects.

### PRECAUTION PHRASES

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P332+313	If skin irritation occurs: Get medical advice/attention.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to waste treatment/disposal facility in accordance with local, state, and federal regulations.

## 2.3 Other hazards

No Information

### Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

## 3. Composition/Information On Ingredients

### 3.2 Mixtures

#### Hazardous Ingredients

<u>CAS-No.</u>	<u>EINEC No.</u>	<u>Name According to EEC</u>	<u>%</u>
13463-67-7		titanium dioxide	10-25
12001-26-2	601-648-2	mica	10-25
123-86-4	204-658-1	n-butyl acetate	2.5-10
54839-24-6	259-370-9	1-ethoxy-2-propylacetate	2.5-10
1330-20-7	215-535-7	xylene	2.5-10
	918-668-5	hydrocarbons, c9, aromatics	1.0-2.5
7631-86-9	231-545-4	silicon dioxide (amorphous)	1.0-2.5
100-41-4	202-849-4	ethylbenzene	1.0-2.5
67-64-1	200-662-2	acetone	0.1-1.0
41556-26-7	255-437-1	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.1-1.0
82919-37-7	280-060-4	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1-1.0

64742-82-1 265-185-4 naphtha (petroleum), hydrodesulfurized heavy

0.1-1.0

<u>CAS-No.</u>	<u>REACH Reg No.</u>	<u>CLP Symbols</u>	<u>CLP Hazard Statements</u>	<u>M-Factors</u>
13463-67-7	01-2119489379-17			
12001-26-2		GHS07	H319-335	
123-86-4	01-2119485493-29	GHS02-GHS07	H226-336	
54839-24-6	01-2119475116-39	GHS02-GHS07	H226-336	
1330-20-7	01-2119488216-32	GHS02-GHS07	H226-312-315-332	
	01-2119455851-35	GHS02-GHS07-GHS08-GHS09	H226-304-335-336-411	1
7631-86-9	01-2119379499-16			
100-41-4	01-2119489370-35	GHS02-GHS07-GHS08	H225-304-315-319-332-373	
67-64-1	01-2119471330-49	GHS02-GHS07	H225-319-336	
41556-26-7		GHS07-GHS09	H317-400-410	
82919-37-7		GHS07-GHS09	H317-400-410	
64742-82-1	01-2119458049-33	GHS02-GHS07-GHS08-GHS09	H226-304-336-372-411	

**Additional Information:** The text for CLP Hazard Statements shown above (if any) is given in Section 16.

## 4. First-aid Measures

### 4.1 Description of First Aid Measures

**GENERAL NOTES:** Show this safety data sheet to the doctor in attendance.

**AFTER INHALATION:** Give oxygen or artificial respiration if needed. When risk of unconsciousness, place and transport the victim in secured recovery position. Provide fresh air, rest and warmth. Call a physician immediately.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Do not use solvent or thinners to clean skin.

**AFTER EYE CONTACT:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.

**AFTER INGESTION:** Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously: Keep head below hips to prevent aspiration of stomach vomit into lungs. Provide fresh air, rest and warmth.

### Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

Irritating to respiratory system. Irritating to eyes and skin. Vapours may cause drowsiness and dizziness.

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11. When symptoms persist or in all cases of doubt seek medical advice.

## 5. Fire-fighting Measures

### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above. Do not use a solid water stream as it may scatter and spread fire.

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

Heating or fire conditions liberates toxic gas. Flash back possible over considerable distance. As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Vapours may form explosive mixtures with air. Solvent vapours are heavier than air and may spread along floors and ignite.

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Keep containers and surroundings cool with water spray.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

## 6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

## 6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

## 6.4 Reference to other sections

**FURTHER INSTRUCTIONS:** Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

# 7. Handling and Storage

## 7.1 Precautions for safe handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Electrical equipment should be protected to the appropriate standard. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Use only in area provided with appropriate exhaust ventilation. Provide sufficient air exchange and/or exhaust in work rooms. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only explosion-proof equipment. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

## 7.2 Conditions for safe storage, including any incompatibilities

**CONDITIONS TO AVOID:** Avoid heat, sparks, flames and other ignition sources.

**STORAGE CONDITIONS:** Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Keep container closed. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store in upright position only. Storage of flammable liquids. Store away from: oxidising materials, acids, and alkalis.

## 7.3 Specific end use(s)

No specific advice for end use available.

# 8. Exposure Controls/Personal Protection

## 8.1 Control parameters

### Ingredients with Occupational Exposure Limits (UK WELS)

Name	%	LTEL ppm	STEL ppm	STEL mg/m3	LTEL mg/m3	OEL Note
titanium dioxide	10-25			10 (total dust)	4 (resp. dust)	
mica	10-25			10 (total dust)	0.8 (resp. dust)	
n-butyl acetate	2.5-10	150	200	966	724	
1-ethoxy-2-propylacetate	2.5-10					
xylene	2.5-10	50	100	441	220	Sk
hydrocarbons, c9, aromatics	1.0-2.5					
silicon dioxide (amorphous)	1.0-2.5					
ethylbenzene	1.0-2.5	100	125	552	441	Sk
acetone	0.1-1.0	500	1500	3620	1210	
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.1-1.0					
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	0.1-1.0					
naphtha (petroleum), hydrosulfurized heavy	0.1-1.0					

**FURTHER ADVICE:** Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified at the EU level under the dangerous substances and preparations regulation. Annotations: Carc = Capable of causing cancer and/or heritable genetic damage, Sen = Capable of causing occupational asthma, Sk = Can be absorbed through the skin.

## 8.2 Exposure controls

### Personal Protection

**RESPIRATORY PROTECTION:** Use compressed air or fresh air breathing apparatus in closed compartments. Wear

respiratory protection with combination filter (dust and gas filter, EN 141) during spraying operations: Gas filter type A1 (organic substances). Dust filter P3 (for fine dust).

**EYE PROTECTION:** If splashes are likely to occur, wear: Face-shield, tightly fitting safety goggles.

**HAND PROTECTION:** Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature). Long sleeved clothing. Remove and wash contaminated clothing before re-use. Use chemical resistant gloves and lotions and barrier creams to prevent drying of the skin. Protective gloves complying with EN 374: Nitrile rubber. Butyl rubber. Viton®. Recommended glove material for mixed product: Protective gloves complying with EN 374: Butyl rubber. Nitril rubber.

**OTHER PROTECTIVE EQUIPMENT:** Ensure that eyewash stations and safety showers are close to the workstation location.

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.

#### Chemical Name:

titanium dioxide

#### EC No.:

#### CAS-No.:

13463-67-7

#### DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							700 mg/kg/d
Inhalation			10					
Dermal								

#### PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.127
Fresh water sediments	1000
Marine water	1
Marine sediments	100
Food chain	1667
Microorganisms in sewage treatment	100 mg/l
soil (agricultural)	100
Air	

#### Chemical Name:

n-butyl acetate

#### EC No.:

204-658-1

#### CAS-No.:

123-86-4

#### DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							
Inhalation	960 mg/m3	960 mg/m3	480 mg/m3	480 mg/m3	859.7 mg/m3	859.7 mg/m3	102.34 mg/m3	102.34 mg/m3
Dermal								

#### PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.18 mg/l
Fresh water sediments	0.981 mg/kg
Marine water	0.018 mg/l
Marine sediments	0.0981 mg/kg
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	0.0903 mg/kg
Air	

**Chemical Name:**

xylene

**EC No.:**

215-535-7

**CAS-No.:**

1330-20-7

**DNELs - Derived no effect level**

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							1.6 mg/kg bw/day
Inhalation	289 mg/m <sup>3</sup>	289 mg/m <sup>3</sup>		77 mg/m <sup>3</sup>	174 mg/m <sup>3</sup>	174 mg/m <sup>3</sup>		14.8 mg/m <sup>3</sup>
Dermal				180 mg/kg bw/day				108 mg/kg bw/day

**PNEC's - Predicted no effect concentration**

Environmental protection target	PNEC
Fresh water	0.327 mg/l
Fresh water sediments	12.46 mg/kg
Marine water	0.327 mg/l
Marine sediments	12.46 mg/kg
Food chain	
Microorganisms in sewage treatment	6.58 mg/l
soil (agricultural)	2.31 mg/kg
Air	

**Chemical Name:**

naphtha (petroleum), hydrodesulfurized heavy

**EC No.:**

265-185-4

**CAS-No.:**

64742-82-1

**DNELs - Derived no effect level**

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							26 mg/kg
Inhalation				330 mg/m <sup>3</sup>				71 mg/m <sup>3</sup>
Dermal				44 mg/kg				26 mg/kg

**PNEC's - Predicted no effect concentration**

Environmental protection target	PNEC
Fresh water	
Fresh water sediments	
Marine water	
Marine sediments	
Food chain	
Microorganisms in sewage treatment	
soil (agricultural)	
Air	

**9. Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

<b>Appearance:</b>	Misc. colours
<b>Physical State</b>	LIQUID
<b>Odor</b>	Solvent
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not determined
<b>Melting point / freezing point (°C)</b>	Not determined
<b>Boiling point/range (°C)</b>	124 - 200

Flash Point, (°C)	26
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or explosive limits	1 - 10
Vapour Pressure	Not determined
Vapour density	>1 (air = 1)
Relative density	1,42 - 1,52
Solubility in / Miscibility with water	Negligible
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (°C)	325
Decomposition temperature (°C)	Not determined
Viscosity	75 - 80 KU
Explosive properties	Not determined
Oxidising properties	Not determined

## 9.2 Other information

VOC Content g/l:	365
Grams of VOC per liter of coating product as applied per ISO 11890-1 and/or ISO 11890-2.	
Specific Gravity (g/cm3)	1.49

## 10. Stability and Reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No reactivity hazards known under normal storage and use conditions.

### 10.4 Conditions to avoid

Avoid heat, sparks, flames and other ignition sources.

### 10.5 Incompatible materials

Keep away from strong oxidising agents and strongly acid or alkaline materials.

### 10.6 Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), oxides of nitrogen (NO<sub>x</sub>).

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute Toxicity:

Oral LD50:	No information available on the product itself as the product is not tested.
Inhalation LC50:	No information available on the product itself as the product is not tested.

**Irritation:** Vapour/spray mist may irritate respiratory system and lungs.

**Corrosivity:** No information available.

**Sensitization:** No information available.

<b>Repeated dose toxicity:</b>	No information available.
<b>Carcinogenicity:</b>	No information available.
<b>Mutagenicity:</b>	No information available.
<b>Toxicity for reproduction:</b>	No information available.
<b>STOT-single exposure:</b>	No information available.
<b>STOT-repeated exposure:</b>	No information available.
<b>Aspiration hazard:</b>	No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.  
Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
13463-67-7	titanium dioxide	10000 mg/m3, oral (rat)	10000	
123-86-4	n-butyl acetate	10760 mg/kg, rat, oral	14112 mg/Kg (rabbit)	23.4 mg/l/4/h (rat)
54839-24-6	1-ethoxy-2-propylacetate	4755 mg/kg (oral-rat)		
1330-20-7	xylene	>2000 mg/kg, rat, oral	3200 mg/kg, rabbit, dermal	20 mg/L (inh/vapour/rat)
	hydrocarbons, c9, aromatics	3592 mg/kg (oral-rat)	>3160 mg/kg (dermal-rabbit)	>6193 mg/L (inh-rat-vapour,4h)
7631-86-9	silicon dioxide (amorphous)	>5110 mg/kg (oral, rat)	> 5000 mg/kg (dermal, rabbit)	
100-41-4	ethylbenzene	3500 mg/kg rat, oral		
67-64-1	acetone	>2000 mg/kg, oral, rat	7426 mg/kg (guinea pig)	76 mg/L (vapour/4h)
64742-82-1	naphtha (petroleum), hydrodesulfurized heavy	>5000 mg/kg, rat, oral		

#### Additional Information:

This product may contain Ethyl Benzene, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Respiration of solvent vapour may cause dizziness. Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Gas or vapour is harmful on prolonged exposure or in high concentrations. Irritant of eyes and mucous membranes. CNS depressant. Inhalation is the main hazard in industrial use. The solvent vapours can be harmful and cause headaches, nausea, and intoxication. Acts as a defatting agent on skin. This product may contain Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. Inhalation of vapour of mist can cause headache, nausea, irritation of nose, throat, and lungs.

## 12. Ecological Information

### 12.1 Toxicity:

EC50 48hr (Daphnia):	No information
IC50 72hr (Algae):	No information
LC50 96hr (fish):	No information

12.2 Persistence and degradability: No information

12.3 Bioaccumulative potential: No information

12.4 Mobility in soil: No information

12.5 Results of PBT and vPvB assessment: The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.



**12.6 Other adverse effects:**

No information

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
13463-67-7	titanium dioxide	>100 mg/l (EC50, 48h, Daphnia magna OECD202)	16 mg/l (EC50, 72h, Pseudokirchnerella subcapitata)	>100 mg/l (EC50, 96h, Oncorhynchus Mykiss OECD203)
12001-26-2	mica	No information	No information	
123-86-4	n-butyl acetate	No information	No information	18 mg/l (phimephales promelas)
54839-24-6	1-ethoxy-2-propylacetate	110 mg/L (daphnia magna)	No information	140 mg/L (rainbow trout)
1330-20-7	xylene	165 mg/L (Daphnia magna 24h)	3 - 5 mg/L (Selenastrum sp.)	2 - 11 mg/L (Roccus saxatilis), 8.2 mg/L (Salmo gairdneri), 13.5 mg/L (Lepomis macrochirus), 21.0 mg/L (Pimephales promelas)
	hydrocarbons, c9, aromatics	3.2 mg/L (Daphnia magna)	No information	No information
7631-86-9	silicon dioxide (amorphous)	No information	No information	10000 mg/l (Brachydanio rerio - Static)
100-41-4	ethylbenzene	No information	No information	No information
67-64-1	acetone	8800 mg/L (Daphnia magna)	No information	5540 mg/l (Rainbow trout)
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	No information	No information	0.97 mg/L (Lepomis macrochirus)
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	No information	No information	0.97 mg/L (Lepomis macrochirus)
64742-82-1	naphtha (petroleum), hydrodesulfurized heavy	No information	No information	

**Further Ecological Information**

Contains the following ingredients which are classified as water dangerous according to EEC directive No. 76/464/EEC in percentages > 1%.

<u>CAS-No.</u>	<u>Name According to EEC</u>
	hydrocarbons, c9, aromatics

**13. Disposal Considerations**

**13.1 WASTE TREATMENT METHODS:** Do not burn, or use a cutting torch on, the empty drum. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local state, and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems.

**European Waste Code:** 08 01 11  
**Packaging Waste Code:** 15 01 10

## 14. Transport Information

14.1	UN number	UN1263
14.2	UN proper shipping name	PAINT
	Technical name	
14.3	Transport hazard class(es)	3
	Subsidiary shipping hazard	
14.4	Packing group	III
14.5	Environmental hazards	Marine pollutant: No
14.6	Special precautions for user	Not applicable
	EmS-No.:	F-E, S-E
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not applicable

## 15. Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation for the substance or mixture:

#### National Regulations:

Denmark Product Registration Number:

Danish MAL Code: 3 - 1

Sweden Product Registration Number:

Norway Product Registration Number: P-318147

WGK Class: 3

#### Chemical Safety Assessment:

### 15.2 No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## 16. Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
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.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

#### Reasons for revision

Changes have been made to Section 8 of the Safety Data Sheet (SDS). Please refer to the Exposure Controls / Personal Protection information in Section 8 of the SDS.

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark  
ESIS (The European Chemical Substances Information System), provided by the European Commission  
Joint Research Centre in Ispra, Italy  
Annex VI of the EU Council Directive 67/548/EEC  
Council Directive 67/548/EEC - Annex I or EU Council Directive 1999/45/EC  
European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of  
substances and mixtures (CLP Regulation)  
EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"

Acronym & Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
ppm	Parts per million
mg/m3	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community
ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail
UN	United Nations
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978
IBC	International Bulk Container

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.