# SAFETY DATA SHEET AB1212

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION1:Identificationofthesubstance/mixtureandofthecompany/undertaking		
1.1. Product identifier		
Product name	AB1212	
Product number	AB1212	
1.2. Relevant identified uses of the substance or mixture and uses advised against		
Identified uses	Adhesive.	
Uses advised against	No specific uses advised against are identified.	
1.3. Details of the supplier of the	ne safety data sheet	
Supplier	ABRABOND LTD EDWIN AVENUE HOO FARM INDUSTRIAL ESTATE KIDDERMINSTER WORCS DY11 7RA	
	T: +44 (0) 1562 753334 F: +44 (0) 1562 67595	
1.4. Emergency telephone nun	nber	
Emergency telephone	+44 01562 753334 (NOT 24HRS)	
SECTION2:Hazardsidentificati	on	
2.1. Classification of the substa	ance or mixture	
Classification		
Physical hazards	Not Classified	
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373 STOT SE 3 - H335	
Environmental hazards	Not Classified	
Classification (67/548/EEC or	Xn;R48/20. Carc. Cat. 3;R40. R42/43. Xi;R36/37/38.	
1999/45/EC)		
1999/45/EC) Human health	The product contains small amounts of organic solvents. Contains non-volatile isocyanate. Heating may generate vapours which irritate the respiratory system. May cause allergy or asthma symptoms or breathing difficulties if inhaled.	

## Pictogram



Signal word	Danger
Hazard statements	<ul> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H319 Causes serious eye irritation.</li> <li>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>H335 May cause respiratory irritation.</li> <li>H351 Suspected of causing cancer.</li> <li>H373 May cause damage to organs through prolonged or repeated exposure.</li> </ul>
Precautionary statements	<ul> <li>EUH204 Contains isocyanates. May produce an allergic reaction.</li> <li>P260 Do not breathe vapour/spray.</li> <li>P280 Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P281 Use personal protective equipment as required.</li> <li>P284 [In case of inadequate ventilation] wear respiratory protection.</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P313 Get medical advice/attention.</li> <li>P501 Dispose of contents/container in accordance with national regulations.</li> </ul>
Contains	DICHLOROMETHANE, DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

2.3. Other hazards

SECTION3:Composition/informationoningredients

3.2. Mixtures		
DICHLOROMETHANE		10-30%
CAS number: 75-09-2	EC number: 200-838-9	REACH registration number: 01- 2119480404-41-0000
Classification	Classificati	on (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315	Carc. Cat. 3;R40	
Eye Irrit. 2 - H319		
Carc. 2 - H351		
STOT SE 3 - H336		

ISOMERS AND HOMOLOG	SUES)	
CAS number: 32055-14-4	REACH registration number: 01- 2119457024-46-0006	
Classification Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373		on (67/548/EEC or 1999/45/EC) 8/20. Carc. Cat. 3;R40. Xi;R36/37/38. R42/43.
2,2'DIMORPHOLINYLDIETH	HYL ETHER	<1%
CAS number: 6425-39-4	EC number: 229-194-7	REACH registration number: 01- 2119969278-20-0000
Classification Eye Irrit. 2 - H319	Classificatio Xi;R36.	on (67/548/EEC or 1999/45/EC)
The Full Text for all D Dhares		
SECTION4:Firstaidmeasures	es and Hazard Statements are Displayed in Se	ection 16.
SECTION4:Firstaidmeasures 4.1. Description of first aid me	easures	
SECTION4:Firstaidmeasures	3	
SECTION4:Firstaidmeasures 4.1. Description of first aid me	easures Remove affected person from source of cor	
SECTION4:Firstaidmeasures 4.1. Description of first aid me General information	easures Remove affected person from source of cor	ntamination. Get medical attention if any discomfort continues.
SECTION4:Firstaidmeasures 4.1. Description of first aid me General information Inhalation	easures Remove affected person from source of cor Move affected person to fresh air at once. O DO NOT induce vomiting. Get medical atter	ntamination. Get medical attention if any discomfort continues.
SECTION4:Firstaidmeasures 4.1. Description of first aid me General information Inhalation Ingestion	easures Remove affected person from source of cor Move affected person to fresh air at once. O DO NOT induce vomiting. Get medical atter Remove contaminated clothing immediately attention if any discomfort continues. Rinse immediately with plenty of water. Rer	ntamination. Get medical attention if any discomfort continues. ntion immediately. y and wash skin with soap and water. Get medical nove any contact lenses and open eyelids wide ites. Get medical attention if irritation persists after
SECTION4:Firstaidmeasures 4.1. Description of first aid me General information Inhalation Skin contact Eye contact	easures Remove affected person from source of cor Move affected person to fresh air at once. O DO NOT induce vomiting. Get medical atter Remove contaminated clothing immediately attention if any discomfort continues. Rinse immediately with plenty of water. Rer apart. Continue to rinse for at least 15 minu	ntamination. Get medical attention if any discomfort continues. ntion immediately. y and wash skin with soap and water. Get medical nove any contact lenses and open eyelids wide ites. Get medical attention if irritation persists after
SECTION4:Firstaidmeasures 4.1. Description of first aid me General information Inhalation Skin contact Eye contact	easures Remove affected person from source of cor Move affected person to fresh air at once. O DO NOT induce vomiting. Get medical atter Remove contaminated clothing immediately attention if any discomfort continues. Rinse immediately with plenty of water. Rer apart. Continue to rinse for at least 15 minu washing. Show this Safety Data Sheet to th	ntamination. Get medical attention if any discomfort continues. ntion immediately. y and wash skin with soap and water. Get medical nove any contact lenses and open eyelids wide ites. Get medical attention if irritation persists after
SECTION4:Firstaidmeasures 4.1. Description of first aid me General information Inhalation Ingestion Skin contact Eye contact 4.2. Most important symptom	easures Remove affected person from source of cor Move affected person to fresh air at once. O DO NOT induce vomiting. Get medical atter Remove contaminated clothing immediately attention if any discomfort continues. Rinse immediately with plenty of water. Ren apart. Continue to rinse for at least 15 minu washing. Show this Safety Data Sheet to th and effects, both acute and delayed The severity of the symptoms described will length of exposure.	ntamination. Get medical attention if any discomfort continues. ntion immediately. y and wash skin with soap and water. Get medical nove any contact lenses and open eyelids wide ites. Get medical attention if irritation persists after e medical personnel.
SECTION4:Firstaidmeasures 4.1. Description of first aid me General information Inhalation Ingestion Skin contact Eye contact 4.2. Most important symptom General information	easures Remove affected person from source of cor Move affected person to fresh air at once. O DO NOT induce vomiting. Get medical atter Remove contaminated clothing immediately attention if any discomfort continues. Rinse immediately with plenty of water. Ren apart. Continue to rinse for at least 15 minu washing. Show this Safety Data Sheet to th and effects, both acute and delayed The severity of the symptoms described will length of exposure.	ntamination. Get medical attention if any discomfort continues. ntion immediately. y and wash skin with soap and water. Get medical move any contact lenses and open eyelids wide ites. Get medical attention if irritation persists after e medical personnel. I vary dependent on the concentration and the
SECTION4:Firstaidmeasures 4.1. Description of first aid me General information Inhalation Ingestion Skin contact Eye contact 4.2. Most important symptom General information Inhalation	easures Remove affected person from source of con Move affected person to fresh air at once. O DO NOT induce vomiting. Get medical atter Remove contaminated clothing immediately attention if any discomfort continues. Rinse immediately with plenty of water. Rer apart. Continue to rinse for at least 15 minu washing. Show this Safety Data Sheet to th as and effects, both acute and delayed The severity of the symptoms described wil length of exposure. Irritation of nose, throat and airway. Coughi	ntamination. Get medical attention if any discomfort continues. Intion immediately. If and wash skin with soap and water. Get medical move any contact lenses and open eyelids wide ites. Get medical attention if irritation persists after e medical personnel. If vary dependent on the concentration and the ng, chest tightness, feeling of chest pressure.
SECTION4:Firstaidmeasures 4.1. Description of first aid me General information Inhalation Ingestion Skin contact Eye contact 4.2. Most important symptom General information Inhalation Ingestion	easures Remove affected person from source of con Move affected person to fresh air at once. O DO NOT induce vomiting. Get medical atter Remove contaminated clothing immediately attention if any discomfort continues. Rinse immediately with plenty of water. Rer apart. Continue to rinse for at least 15 minu washing. Show this Safety Data Sheet to th and effects, both acute and delayed The severity of the symptoms described wil length of exposure. Irritation of nose, throat and airway. Coughi May cause discomfort if swallowed.	ntamination. Get medical attention if any discomfort continues. Intion immediately. If and wash skin with soap and water. Get medical move any contact lenses and open eyelids wide ites. Get medical attention if irritation persists after e medical personnel. If vary dependent on the concentration and the ng, chest tightness, feeling of chest pressure.
SECTION4:Firstaidmeasures 4.1. Description of first aid me General information Inhalation Ingestion Skin contact Eye contact 4.2. Most important symptom General information Inhalation Inhalation Skin contact Eye contact Eye contact	easures Remove affected person from source of con Move affected person to fresh air at once. O DO NOT induce vomiting. Get medical atter Remove contaminated clothing immediately attention if any discomfort continues. Rinse immediately with plenty of water. Ren apart. Continue to rinse for at least 15 minu washing. Show this Safety Data Sheet to th as and effects, both acute and delayed The severity of the symptoms described will length of exposure. Irritation of nose, throat and airway. Coughi May cause discomfort if swallowed. Prolonged skin contact may cause redness	ntamination. Get medical attention if any discomfort continues. Intion immediately. If and wash skin with soap and water. Get medical move any contact lenses and open eyelids wide ites. Get medical attention if irritation persists after e medical personnel. If vary dependent on the concentration and the ng, chest tightness, feeling of chest pressure. and irritation.

# 5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.	
5.2. Special hazards arising fro	m the substance or mixture	
Specific hazards	The product is non-combustible. Irritating gases or vapours. Not known.	
Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.	
5.3. Advice for firefighters		
Protective actions during firefighting	Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.	
Special protective equipment for firefighters	Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.	
SECTION6:Accidentalreleasen	neasures	
6.1. Personal precautions, prot	ective equipment and emergency procedures	
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.	
6.2. Environmental precautions		
Environmental precautions	Do not discharge into drains or watercourses or onto the ground.	
6.3. Methods and material for c	ontainment and cleaning up	
Methods for cleaning up	Absorb spillage with non-combustible, absorbent material. Absorb spillage with non- combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.	
6.4. Reference to other section	<u>s</u>	
Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet.	
SECTION7:Handlingandstorag	e	
7.1. Precautions for safe handli	ng	
Usage precautions	Avoid inhalation of vapours and spray/mists. Avoid contact with skin and eyes. Do not use in confined spaces without adequate ventilation and/or respirator. Spraying is permitted only in closed systems, spray cabinets or spray boxes with adequate ventilation.	
7.2. Conditions for safe storage, including any incompatibilities		
Storage precautions	Store in closed original container at temperatures between 5°C and 25°C.	
Storage class	Chemical storage.	
7.3. Specific end use(s)		
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.	
SECTION8:ExposureControls/	personalprotection	
8.1. Control parameters		
Occupational exposure limits		

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Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 350 mg/m3(Sk) Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 1060 mg/m3(Sk) DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES) Long-term exposure limit (8-hour TWA): WEL 0.07 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 0.02 mg/m<sup>3</sup> WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

## DICHLOROMETHANE (CAS: 75-09-2)

Ingredient comments	WEL = Workplace Exposure Limits
DNEL	Consumer - Dermal; Short term systemic effects: 353 mg/m³ Workers - Dermal; Short term systemic effects: 706 mg/m³
PNEC	<ul> <li>Fresh water; 0.54 mg/l</li> <li>Sediment (Freshwater); 4.47 mg/kg</li> <li>Intermittent release; 0.27 mg/l</li> <li>Sediment (Marinewater); 1.61 mg/kg</li> <li>Marine water; 0.194 mg/l</li> <li>STP; 26 mg/l</li> <li>Soil; 0.583 mg/kg</li> </ul>

## DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES) (CAS: 32055-14-4)

Ingredient comments	WEL = Workplace Exposure Limits
DNEL	Workers - Dermal; Short term systemic effects: 50 mg/kg Workers - Inhalation; Short term systemic effects: 0.1 mg/m <sup>3</sup> Workers - Dermal; Short term local effects: 28.7 mg/cm <sup>2</sup> Workers - Inhalation; Short term local effects: 0.1 mg/m <sup>3</sup> Workers - Inhalation; Long term systemic effects: 0.05 mg/m <sup>3</sup> Workers - Inhalation; Long term local effects: 0.05 mg/m <sup>3</sup> General population - Dermal; Short term systemic effects: 25 mg/kg General population - Inhalation; Short term systemic effects: 20 mg/kg General population - Oral; Short term systemic effects: 20 mg/kg General population - Dermal; Short term local effects: 17.2 mg/cm <sup>2</sup> General population - Inhalation; Short term local effects: 0.05 mg/m <sup>3</sup> General population - Inhalation; Short term local effects: 0.05 mg/m <sup>3</sup>
PNEC	- Fresh water; 1 mg/l - Marine water; 0.1 mg/l - Soil; 1 mg/kg dry weight - STP; 1 mg/l

## 8.2. Exposure controls

Protective equipment





Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection	Wear chemical splash goggles.
Hand protection	It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber.
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Wash hands after handling. When using do not eat, drink or smoke.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Gas filter, type AX.
Environmental exposure controls	Keep container tightly sealed when not in use.

## SECTION9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties		
Appearance	Coloured liquid.	
Colour	Various colours.	
Odour	Chlorinated hydrocarbons.	
Odour threshold	Not available.	
рН	Not available.	
Melting point	Not available.	
Initial boiling point and range	39-40°C @	
Flash point	Not applicable.	
Evaporation rate	fast	
Evaporation factor	Not available.	
Flammability (solid, gas)	Not available.	
Upper/lower flammability or explosive limits	Not applicable.	
Other flammability	Not available.	
Vapour pressure	Not applicable.	
Vapour density	Not available.	
Relative density	1.10 @ 20°C	
Bulk density	Not available.	
Solubility(ies)	Insoluble in water. Hardens in contact with water.	
Partition coefficient	Not available.	
Auto-ignition temperature	Not available.	
Decomposition Temperature	Not available.	
Viscosity	Kinematic viscosity > 20.5 mm²/s.	
Explosive properties	Not available.	

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Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not available.
Comments	Information given is applicable to the product as supplied.
9.2. Other information	
Other information	No information required.
Refractive index	Not available.
Particle size	Not available.
Molecular weight	Not available.
Volatility	Not available.
Saturation concentration	Not available.
Critical temperature	Not available.
SECTION10:Stabilityandreacti	vity
10.1. Reactivity	
Reactivity	The product will harden into a solid mass in contact with water and moisture.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures and when used as recommended.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	Not applicable. May polymerise.
10.4. Conditions to avoid	
Conditions to avoid	Avoid contact with water.
10.5. Incompatible materials	
10.6. Hazardous decompositio	
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.
SECTION11:Toxicologicalinfor	mation
11.1. Information on toxicologi	cal effects
Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	10,000.0
Species	Rat
Acute toxicity - dermal Acute toxicity dermal (LD₅₀ mg/kg)	10,000.0
Species	Rabbit
Acute toxicity - inhalation Acute toxicity inhalation (LC₅₀ vapours mg/l)	0.493

Species	Rat
ATE inhalation (vapours mg/l)	50.0
Skin corrosion/irritation Animal data	Irritating.
Serious eye damage/irritation Serious eye damage/irritation	Moderately irritating.
Respiratory sensitisation Respiratory sensitisation	Sensitising.
Carcinogenicity Carcinogenicity	Suspected carcinogen based on limited evidence.
Target organ for carcinogenicity	No specific target organs known.
Reproductive toxicity Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.
Specific target organ toxicity -	repeated exposure
STOT - repeated exposure	Morphological changes that are potentially reversible but provide clear evidence of marked organ dysfunction.
Aspiration hazard Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.
Inhalation	Irritating to respiratory system. May cause sensitisation by inhalation.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Irritating to skin. May cause sensitisation by skin contact.
Eye contact	Irritation of eyes and mucous membranes.
Acute and chronic health hazards	May cause sensitisation by skin contact. The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation. May cause respiratory system irritation. Frequent inhalation of vapours may cause respiratory allergy.
Route of entry	Inhalation Skin and/or eye contact
Medical symptoms	Irritation of eyes and mucous membranes. Coughing, chest tightness, feeling of chest pressure.
Medical considerations	Chronic respiratory and obstructive airway diseases.
Toxicological information on in	gredients.

Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	2,000.0
Species	Rat
Acute toxicity - inhalation	

Acute toxicity inhalation<br/>(LC₅₀ vapours mg/l)86.0SpeciesRatATE inhalation (vapours86.0

mg/l)

## DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	10,000.0
Species	Rat
ATE oral (mg/kg)	10,000.0
Acute toxicity - dermal	
Acute toxicity dermal (LD₅₀ mg/kg)	9,400.0
Species	Rabbit
ATE dermal (mg/kg)	9,400.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	0.493
Species	Rat
Acute toxicity inhalation (LC₅₀ dust/mist mg/l)	0.31
Species	Rat
ATE inhalation (vapours mg/l)	11.0
ATE inhalation (dusts/mists mg/l)	1.5
Skin corrosion/irritation	
Animal data	Irritating.
Serious eye damage/irritati	on
Serious eye damage/irritation	Moderately irritating.
Respiratory sensitisation	
Respiratory sensitisation	Sensitising.
Carcinogenicity	
Carcinogenicity	Suspected carcinogen based on limited evidence.
Target organ for carcinogenicity	No specific target organs known.

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Reproductive toxicity	
Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.
Specific target organ toxicity	y - repeated exposure
STOT - repeated exposure	Morphological changes that are potentially reversible but provide clear evidence of marked organ dysfunction.
Aspiration hazard	
Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.
Inhalation	Irritating to respiratory system. May cause sensitisation by inhalation.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Irritating to skin. May cause sensitisation by skin contact.
Eye contact	Irritation of eyes and mucous membranes.
Acute and chronic health hazards	May cause sensitisation by skin contact. The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation. May cause respiratory system irritation. Frequent inhalation of vapours may cause respiratory allergy.
Route of entry	Inhalation Skin and/or eye contact
Medical symptoms	Irritation of eyes and mucous membranes. Coughing, chest tightness, feeling of chest pressure.
Medical considerations	Chronic respiratory and obstructive airway diseases.

## SECTION12:EcologicalInformation

Ecotoxicity

The product is not expected to be hazardous to the environment.

## Ecological information on ingredients.

## DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Ecotoxicity	The product is not expected to be hazardous to the environment.
12.1. Toxicity	
Acute toxicity - fish	LC50, 96 hours, 96 hours: > 1000 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: >500 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC₅₀, 72 hours, 72 hours: ~ 1640 mg/l, Scenedesmus subspicatus
Ecological information on ingr	edients.

Acute toxicity - fish	LC50, 96 hours, 96 hours: > 93 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 27 mg/l, Daphnia magna

Acute toxicity - aquatic IC<sub>50</sub>, 72 hours: 550 mg/l, Algae plants

#### DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Acute toxicity - fish	LC50, 96 hours, 96 hours: > 1000 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: >500 mg/l, Daphnia magna
Acute toxicity - aquatic plants	$EC_{\mathfrak{so}},72$ hours, 72 hours: ~ 1640 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC₅₀, 3 hours: 100 mg/l, Activated sludge
Chronic toxicity - aquatic	NOEC, 21 days: 10 mg/l, Daphnia magna

Chronic toxicity - aquatic NOEC, 21 days: 10 mg. invertebrates

## 12.2. Persistence and degradability

Persistence and degradability The product is not readily biodegradable.

Stability (hydrolysis) Reacts with water.

Biological oxygen demand < 10 g O<sub>2</sub>/g substance

Ecological information on ingredients.

## DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Persistence and The product is not readily biodegradable. degradability

Stability (hydrolysis) Reacts with water.

Biological oxygen demand < 10 g O<sub>2</sub>/g substance

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

Not available.

Ecological information on ingredients.

## DICHLOROMETHANE

Bioaccumulative potential The product is not bioaccumulating.

# DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

The product is non-volatile.

Ecological information on ingredients.

# Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

#### DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Mobility

The product is non-volatile.

#### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB. assessment

## Ecological information on ingredients.

## DICHLOROMETHANE

Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB. assessment

#### DIPHENYLMETHANEDIISOCYANATE (MIXTURE OF ISOMERS AND HOMOLOGUES)

Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB. assessment

#### 12.6. Other adverse effects

0-0-0000

Ecological information on ingredients.

## DICHLOROMETHANE

Other adverse effects Not applicable.

SECTION13:Disposalconsiderations	
13.1. Waste treatment met	hods
General information	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	070208
SECTION14:Transportinfor	rmation
14.1. UN number	
UN No. (ADR/RID)	2810
UN No. (IMDG)	2810
UN No. (ICAO)	2810
UN No. (ADN)	2810
14.2. UN proper shipping n	ame
Proper shipping name (ADR/RID)	TOXIC LIQUID, ORGANIC, N.O.S.
Proper shipping name (IMDG)	TOXIC LIQUID, ORGANIC, N.O.S.

Proper shipping name (ICAO) TOXIC LIQUID, ORGANIC, N.O.S.

Proper shipping name (ADN) TOXIC LIQUID, ORGANIC, N.O.S.

14.3. Transport hazard class(es)

ADR/RID class	6.1
ADR/RID classification code	T1
ADR/RID label	6.1
IMDG class	6.1
ICAO class/division	6.1
ADN class	6.1

## Transport labels



14.4. Packing group	
ADR/RID packing group	Ш
IMDG packing group	Ш
ADN packing group	Ш
ICAO packing group	ш

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user			
	•	~	•

EmS	F-A, S-A
ADR transport category	2
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	60
Tunnel restriction code	(E)

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

SECTION15:Regulatoryinformation

EU legislation

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

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 (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION16:Otherinformation

Issued by	Compliance
Revision date	01/06/2015
Revision	20
Risk phrases in full	<ul> <li>R20 Harmful by inhalation.</li> <li>R36/37/38 Irritating to eyes, respiratory system and skin.</li> <li>R40 Limited evidence of a carcinogenic effect.</li> <li>R42/43 May cause sensitisation by inhalation and skin contact.</li> <li>R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.</li> </ul>
Hazard statements in full	<ul> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H319 Causes serious eye irritation.</li> <li>H332 Harmful if inhaled.</li> <li>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>H335 May cause respiratory irritation.</li> <li>H336 May cause drowsiness or dizziness.</li> <li>H351 Suspected of causing cancer.</li> <li>H373 May cause damage to organs through prolonged or repeated exposure.</li> </ul>
Store Between	Store Between 5'c - 25'c
Contains SVHC	NO