SAFETY DATA SHEET

Issuing Date: 22-Dec-2011 **Revision Date:** 23-Jan-2014 **Revision Number:** 1

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier
Product Code: 04488WEP-4
Product Name: OFF-WHITE EPOXY PRIMER, MIL-DTL-53022E, TYPE II, PART A

Contains BISPHENOL A/ EPICHLOROHYDRIN BASED EPOXY RESIN, NAPHTHA, PETROLEUM, HEAVY ALKYLATE, MINERAL SPIRITS/STODDARD SOLVENT

1.2 Relevant identified uses of the substance or mixture and uses advised against
Recommended Use Coatings

Uses advised against No information available

1.3 Details of the supplier of the safety data sheet
Manufacturer
Hentzen Coatings Incorporated
6937 West Mill Road
Milwaukee, Wisconsin, USA
53218-1225

For further information, please contact:
Contact Point 001 414 353 4200
E-mail address coatings@hentzen.com

1.4 Emergency telephone number

Emergency telephone - §45 - (EC)1272/2008	
Europe	**CHEMTREC (USA) 001 800 424 9300**

2. HAZARDS IDENTIFICATION

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

2.1 Classification of the substance or mixture
Regulation (EC) No 1272/2008

Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Germ Cell Mutagenicity	Category 1B - (H340)
Carcinogenicity	Category 1B - (H350)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 2 - (H225)

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Full text of R-phrases: see section 16

Symbol(s)
Xi - Irritant
F - Highly flammable
N - Dangerous for the environment

R-code(s)
F;R11 - Xi;R36/38 - R43 - N;R51/53

2.2 Label Elements

Product identifier

Contains BISPHENOL A/ EPICHLOROHYDRIN BASED EPOXY RESIN, NAPHTHA, PETROLEUM, HEAVY ALKYLATE, MINERAL SPIRITS/STODDARD SOLVENT

Signal Word

DANGER

Hazard Statements

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H340 - May cause genetic defects
H350 - May cause cancer
H411 - Toxic to aquatic life with long lasting effects
H225 - Highly flammable liquid and vapor
Contains FORMALDEHYDE EUH208 - May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection
P321 - Specific treatment (see .? on this label)
P201 - Obtain special instructions before use
P281 - Use personal protective equipment as required
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P370 + P378 - In case of fire: Use dry sodium carbonate to extinguish
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P273 - Avoid release to the environment

2.3. Other hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
TITANIUM DIOXIDE	236-675-5	13463-67-7	20%-30%	-		no data available
METHYL AMYL KETONE	203-767-1	110-43-0	10%-20%	R10 Xn; R20/22	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Flam. Liq. 3 (H226)	no data available
CALCIUM CARBONATE	215-279-6	1317-65-3	10%-20%	-		no data available
TALC (HYDROUS MAGNESIUM SILICATE)	238-877-9	14807-96-6	5%-10%	-		no data available
BISPHENOL A/ EPICHLOROHYDRIN BASED EPOXY RESIN	-	25068-38-6	5%-10%	Xi; R36/38 R43 N; R51-53	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	no data available

ZINC PHOSPHATE	231-944-3	7779-90-0	0%-5%	N; R50-53 PBT	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available
METHYL ACETATE	201-185-2	79-20-9	0%-5%	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	no data available
BUTYL ALCOHOL	200-751-6	71-36-3	0%-5%	R10 Xn; R22 Xi; R37/38-41 R67	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) STOT SE 3 (H335) STOT SE 3 (H336) Flam. Liq. 3 (H226)	no data available
NAPHTHA, PETROLEUM, HEAVY ALKYLATE	265-067-2	64741-65-7	0%-5%	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	no data available
XYLENE(PURE)	215-535-7	1330-20-7	0%-5%	R10 Xn; R20/21 Xi; R38	Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226)	no data available
SILICON DIOXIDE	231-545-4	7631-86-9	0%-5%	-		no data available
MINERAL SPIRITS/STODDARD SOLVENT	232-489-3	8052-41-3	0%-5%	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R48/20-65	Muta. 1B (H340) Carc. 1B (H350) STOT RE 1 (H372) Asp. Tox. 1 (H304)	no data available
FORMALDEHYDE	200-001-8	50-00-0	0%-5%	T; R23/24/25 C; R34 Carc.Cat.2; R45 R43 Muta.Cat.3; R68	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Muta. 2 (H341) Carc. 1B (H350)	no data available
ETHYLBENZENE	202-849-4	100-41-4	0%-5%	F; R11 Xn; R20-48/20-65	Acute Tox. 4 (H332) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225)	no data available
METHOXYPROPANOL ACETATE	203-603-9	108-65-6	0%-5%	R10	Flam. Liq. 3 (H226)	no data available
QUARTZ CRYSTALLINE SILICA	238-878-4	14808-60-7	0%-5%	-		no data available
CARBON BLACK	215-609-9 435-640-3	1333-86-4	0%-5%	-		no data available

Full text of R-phrases: see section 16

3.2
Mixtures

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance If symptoms persist, call a physician

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes If symptoms persist, call a physician Immediately flush eyes with water for at least 15

	minutes. Get medical attention. If easy to do, remove contact lenses Keep eye wide open while rinsing
Skin Contact	Remove and wash contaminated clothing and gloves, including the inside, before re-use If skin irritation persists, call a physician Immediate medical attention is not required Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes
Ingestion	Do NOT induce vomiting Immediate medical attention is not required Drink plenty of water Rinse mouth Clean mouth with water and afterwards drink plenty of water Never give anything by mouth to an unconscious person Consult a physician if necessary
Inhalation	If symptoms persist, call a physician Remove to fresh air Immediate medical attention is not required Move to fresh air in case of accidental inhalation of vapors
Self-protection of the first aider	Remove all sources of ignition Use personal protective equipment as required

4.2 Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects No information available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician May cause sensitization of susceptible persons Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Extinguishing Media Which Must Not Be Used For Safety Reasons

No information available

5.2 Special hazards arising from the substance or mixture

Special Hazard

None in particular

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition Evacuate personnel to safe areas Ensure adequate ventilation Use personal protective equipment as required Keep people away from and upwind of spill/leak Avoid breathing vapors or mists Ventilate the area

See Section 12 for additional information

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so Prevent product from entering drains Do not flush into surface water or sanitary sewer system Vapors are heavier than air, spread along floors and form explosive mixtures with air

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation Keep away from open flames, hot surfaces and sources of ignition Take precautionary measures against static discharges Use explosion-proof electrical (ventilation and lighting) equipment Take necessary action to avoid static

electricity discharge (which might cause ignition of organic vapors) Use with local exhaust ventilation Wear protective gloves/protective clothing/eye protection/face protection Do not breathe vapor or mist To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap Use only non-sparking tools

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry and cool place Keep in properly labeled containers Keep away from heat, sparks and flame Keep containers tightly closed in a cool, well-ventilated place

7.3 Specific end uses

Specific use(s) Coatings

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits

Chemical Name	European Union	United Kingdom	France	Spain	Germany
METHYL AMYL KETONE 110-43-0	S* TWA 50 ppm TWA 238 mg/m³ STEL 100 ppm STEL 475 mg/m³	STEL: 100 ppm STEL: 475 mg/m³ TWA: 50 ppm TWA: 237 mg/m³ Skin	TWA: 50 ppm TWA: 238 mg/m³ STEL: 100 ppm STEL: 475 mg/m³	S* STEL: 100 ppm STEL: 474 mg/m³ TWA: 50 ppm TWA: 237 mg/m³	TWA: 238 mg/m³
METHYL ACETATE 79-20-9		STEL: 250 ppm STEL: 770 mg/m³ TWA: 200 ppm TWA: 616 mg/m³	TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³	STEL: 250 ppm STEL: 770 mg/m³ TWA: 200 ppm TWA: 616 mg/m³	TWA: 100 ppm TWA: 310 mg/m³ Ceiling / Peak: 400 ppm Ceiling / Peak: 1240 mg/m³ TWA: 200 ppm TWA: 610 mg/m³
BUTYL ALCOHOL 71-36-3		STEL: 50 ppm STEL: 154 mg/m³ Skin	STEL: 50 ppm STEL: 150 mg/m³	STEL: 50 ppm STEL: 154 mg/m³ TWA: 20 ppm TWA: 61 mg/m³	TWA: 100 ppm TWA: 310 mg/m³ Ceiling / Peak: 100 ppm Ceiling / Peak: 310 mg/m³

Component	Italy	Portugal	Netherlands	Finland	Denmark
METHYL AMYL KETONE 110-43-0 (19.8512)	TWA: 50 ppm TWA: 238 mg/m³ STEL: 100 ppm STEL: 475 mg/m³ Skin	STEL: 100 ppm STEL: 475 mg/m³ TWA: 50 ppm TWA: 238 mg/m³	TWA: 233 mg/m³	TWA: 50 ppm TWA: 240 mg/m³ STEL: 75 ppm STEL: 360 mg/m³ Skin	TWA: 50 ppm TWA: 238 mg/m³ Skin
METHYL ACETATE 79-20-9 (2.1619)		STEL: 250 ppm TWA: 200 ppm		TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 770 mg/m³	TWA: 150 ppm TWA: 455 mg/m³
BUTYL ALCOHOL 71-36-3 (1.25588)		TWA: 20 ppm		TWA: 50 ppm TWA: 150 mg/m³ STEL: 75 ppm STEL: 230 mg/m³ Skin	Ceiling: 50 ppm Ceiling: 150 mg/m³ Skin
MINERAL SPIRITS/STODDARD SOLVENT 8052-41-3 (0.101394)		TWA: 100 ppm			TWA: 25 ppm TWA: 145 mg/m³

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
TITANIUM DIOXIDE 13463-67-7	STEL 10 mg/m³ TWA: 5 mg/m³	TWA: 3 mg/m³	STEL: 30 mg/m³ TWA: 10.0 mg/m³ TWA: 10 mg/m³	TWA: 5 mg/m³ STEL: 5 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³
METHYL AMYL KETONE 110-43-0	Skin STEL 100 ppm STEL 473 mg/m³ TWA: 50 ppm	TWA: 50 ppm TWA: 235 mg/m³	STEL: 475 mg/m³ TWA: 238 mg/m³	TWA: 25 ppm TWA: 115 mg/m³ Skin STEL: 25 ppm	TWA: 50 ppm TWA: 238 mg/m³ STEL: 100 ppm STEL: 475 mg/m³

	TWA: 237 mg/m³			STEL: 115 mg/m³	Skin
CALCIUM CARBONATE 1317-65-3					TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³
TALC (HYDROUS MAGNESIUM SILICATE) 14807-96-6	TWA: 2 mg/m³	TWA: 2 mg/m³	TWA: 4.0 mg/m³ TWA: 1.0 mg/m³	TWA: 6 mg/m³ TWA: 2 mg/m³ STEL: 6 mg/m³ STEL: 2 mg/m³	TWA: 10 mg/m³ TWA: 0.8 mg/m³ STEL: 30 mg/m³ STEL: 2.4 mg/m³
METHYL ACETATE 79-20-9	STEL 400 ppm STEL 1220 mg/m³ TWA: 200 ppm TWA: 610 mg/m³	STEL: 400 ppm STEL: 1240 mg/m³ TWA: 100 ppm TWA: 310 mg/m³	STEL: 600 mg/m³ TWA: 250 mg/m³	TWA: 100 ppm TWA: 305 mg/m³ STEL: 100 ppm STEL: 305 mg/m³	TWA: 200 ppm TWA: 610 mg/m³ STEL: 250 ppm STEL: 760 mg/m³
BUTYL ALCOHOL 71-36-3	STEL 200 ppm STEL 600 mg/m³ TWA: 50 ppm TWA: 150 mg/m³	STEL: 50 ppm STEL: 150 mg/m³ TWA: 50 ppm TWA: 150 mg/m³	STEL: 150 mg/m³ TWA: 50 mg/m³	Skin Ceiling: 25 ppm Ceiling: 75 mg/m³	TWA: 20 ppm STEL: 60 ppm Skin
XYLENE(PURE) 1330-20-7	Skin STEL 100 ppm STEL 442 mg/m³ TWA: 50 ppm TWA: 221 mg/m³	Skin STEL: 200 ppm STEL: 870 mg/m³ TWA: 100 ppm TWA: 435 mg/m³	TWA: 100 mg/m³	TWA: 25 ppm TWA: 108 mg/m³ Skin STEL: 37.5 ppm STEL: 135 mg/m³	TWA: 50 ppm TWA: 221 mg/m³ STEL: 100 ppm STEL: 442 mg/m³ Skin
SILICON DIOXIDE 7631-86-9	TWA: 4 mg/m³	TWA: 4 mg/m³		TWA: 1.5 mg/m³ STEL: 1.5 mg/m³	TWA: 6 mg/m³ TWA: 2.4 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³
MINERAL SPIRITS/STODDARD SOLVENT 8052-41-3		TWA: 100 ppm TWA: 525 mg/m³	STEL: 900 mg/m³ TWA: 300 mg/m³		TWA: 100 ppm TWA: 573 mg/m³
FORMALDEHYDE 50-00-0	Skin STEL 0.5 ppm STEL 0.6 mg/m³ TWA: 0.5 ppm TWA: 0.6 mg/m³ Ceiling 0.5 ppm Ceiling 0.6 mg/m³	STEL: 0.6 ppm STEL: 0.74 mg/m³ TWA: 0.3 ppm TWA: 0.37 mg/m³	STEL: 1 mg/m³ TWA: 0.5 mg/m³	TWA: 0.5 ppm TWA: 0.6 mg/m³ Ceiling: 1 ppm Ceiling: 1.2 mg/m³ STEL: 0.5 ppm STEL: 0.6 mg/m³	TWA: 2 ppm TWA: 2.5 mg/m³ STEL: 2 ppm STEL: 2.5 mg/m³
ETHYLBENZENE 100-41-4	Skin STEL 200 ppm STEL 880 mg/m³ TWA: 100 ppm TWA: 440 mg/m³	Skin STEL: 50 ppm STEL: 220 mg/m³ TWA: 50 ppm TWA: 220 mg/m³	STEL: 400 mg/m³ TWA: 200 mg/m³	TWA: 5 ppm TWA: 20 mg/m³ Skin STEL: 5 ppm STEL: 20 mg/m³	TWA: 100 ppm TWA: 442 mg/m³ STEL: 200 ppm STEL: 884 mg/m³ Skin
METHOXYPROPANOL ACETATE 108-65-6	Skin STEL 100 ppm STEL 550 mg/m³ TWA: 50 ppm TWA: 275 mg/m³	STEL: 50 ppm STEL: 275 mg/m³ TWA: 50 ppm TWA: 275 mg/m³	STEL: 520 mg/m³ TWA: 260 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ Skin STEL: 50 ppm STEL: 270 mg/m³	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ Skin
QUARTZ CRYSTALLINE SILICA 14808-60-7	TWA: 0.15 mg/m³	TWA: 0.15 mg/m³	TWA: 2 mg/m³ TWA: 0.3 mg/m³ TWA: 4.0 mg/m³ TWA: 1.0 mg/m³	TWA: 0.3 mg/m³ TWA: 0.1 mg/m³ STEL: 0.3 mg/m³ STEL: 0.1 mg/m³	TWA: 0.1 mg/m³ STEL: 0.3 mg/m³
CARBON BLACK 1333-86-4			TWA: 4.0 mg/m³	TWA: 3.5 mg/m³ STEL: 3.5 mg/m³	TWA: 3.5 mg/m³ STEL: 7 mg/m³

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Eye Protection Use personal protective equipment as required

Hand Protection Protective gloves

Skin and Body Protection Antistatic boots Wear fire/flame resistant/retardant clothing Impervious gloves Long sleeved

clothing Apron

Respiratory Protection No special protective equipment required

Hygiene Measures Do not eat, drink or smoke when using this product Regular cleaning of equipment, work area and clothing is recommended

Environmental exposure controls Do not allow material to contaminate ground water system

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state Liquid **Appearance** Opaque
Odor Solvent

Property	Values	Note
pH VALUE		no data available
Melting/freezing point		No data available
Boiling Point	56 °C / 133 °F	
Flash Point	-10 °C / 14 °F	(based on components)
Evaporation rate		No data available
Flammability (solid, gas)		No data available
Flammability Limits in Air		
upper flammability limit	2.19	
lower flammability limit	0.32	
Vapor pressure		no data available
Vapor density		no data available
Relative density	1.52	
Water solubility		no data available
Solubility in other solvents		no data available
Partition coefficient: n-octanol/water		no data available
Autoignition temperature		No data available
Decomposition temperature		no data available
Viscosity		no data available

9.2 Other information

VOC Content (%) 24.2 %

10. STABILITY AND REACTIVITY

10.1 Reactivity
Not applicable

10.2 Chemical stability
Stable under normal conditions

10.3 Possibility of hazardous reactions
None under normal use conditions

10.4 Conditions to avoid
Heat, flames and sparks

10.5 Incompatible materials
None in particular

10.6 Hazardous decomposition products
Thermal decomposition can lead to release of irritating gases and vapors

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

Acute Toxicity

Product does not present an acute toxicity hazard based on known or supplied information

Inhalation There is no data for this product

Eye Contact There is no data for this product

Skin Contact There is no data for this product

Ingestion There is no data for this product

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 3,409.00 mg/kg
ATEmix (dermal) 26,609.00 mg/kg
ATEmix (inhalation-dust/mist) 4.79 mg/l

Unknown Acute Toxicity

36.62231158% of the mixture consists of ingredient(s) of unknown toxicity.

Oral LD50 5028 mg/kg (rat) Estimated
Dermal LD50 29762 mg/kg (rat) Estimated
Inhalation LC50 697683 mg/l (mist) (dust) mg/m³ Estimated
Inhalation LC50 ml/m³ (vapor) Estimated

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
METHYL AMYL KETONE	1600 mg/kg (Rat)	12.6 mL/kg (Rabbit)	2000 ppm (Rat) 4 h
BISPHENOL A/ EPICHLOROHYDRIN BASED EPOXY RESIN	11400 mg/kg (Rat)		
ZINC PHOSPHATE	5000 mg/kg (Rat)		
METHYL ACETATE	5 g/kg (Rat)	5 g/kg (Rabbit)	16000 ppm (Rat) 4 h
BUTYL ALCOHOL	700 mg/kg (Rat)	3402 mg/kg (Rabbit)	8000 ppm (Rat) 4 h
NAPHTHA, PETROLEUM, HEAVY ALKYLATE	7000 mg/kg (Rat)	2000 mg/kg (Rabbit)	5.04 mg/L (Rat) 4 h

Chronic Toxicity

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	European Union	United Kingdom
NAPHTHA, PETROLEUM, HEAVY ALKYLATE	Carc. 1B	
MINERAL SPIRITS/STODDARD SOLVENT	Carc. 1B	

Sensitization No information available

Target Organ Effects Central nervous system (CNS) Central Vascular System (CVS) Eyes Lungs Peripheral Nervous System (PNS) Respiratory system Skin

Endocrine Disruptor Information .? is a suspected endocrine disruptor

Chemical Name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
BISPHENOL A/ EPICHLOROHYDRIN BASED EPOXY RESIN	Group III Chemical		

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Toxic to aquatic life Toxic to aquatic life with long lasting effects
88.9938% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to daphnia and other aquatic invertebrates
METHYL AMYL KETONE	-	126 - 137: 96 h Pimephales promelas mg/L LC50 flow-through	-
TALC (HYDROUS MAGNESIUM SILICATE)	-	100: 96 h Brachydanio rerio g/L LC50 semi-static	-
METHYL ACETATE	120: 72 h Desmodesmus subspicatus mg/L EC50	295 - 348: 96 h Pimephales promelas mg/L LC50 flow-through 250 - 350: 96 h Brachydanio rerio mg/L LC50 static	1026.7: 48 h Daphnia magna mg/L EC50
BUTYL ALCOHOL	500: 96 h Desmodesmus subspicatus mg/L EC50 500: 72 h Desmodesmus subspicatus mg/L EC50	1910000: 96 h Pimephales promelas µg/L LC50 static 100000 - 500000: 96 h Lepomis macrochirus µg/L LC50 static 1730 - 1910: 96 h Pimephales promelas mg/L LC50 static 1740: 96 h Pimephales promelas mg/L LC50 flow-through	1897 - 2072: 48 h Daphnia magna mg/L EC50 Static 1983: 48 h Daphnia magna mg/L EC50
NAPHTHA, PETROLEUM, HEAVY ALKYLATE	30000: 72 h Pseudokirchneriella subcapitata mg/L EC50	-	2: 48 h Mysidopsis bahia mg/L LC50
XYLENE(PURE)	-	13.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 19: 96 h Lepomis macrochirus mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50
SILICON DIOXIDE	440: 72 h Pseudokirchneriella subcapitata mg/L EC50	5000: 96 h Brachydanio rerio mg/L LC50 static	7600: 48 h Ceriodaphnia dubia mg/L EC50
FORMALDEHYDE	-	22.6 - 25.7: 96 h Pimephales promelas mg/L LC50 flow-through 1510: 96 h Lepomis macrochirus µg/L LC50 static 41: 96 h Brachydanio rerio mg/L LC50 static 0.032 - 0.226: 96 h Oncorhynchus mykiss mL/L LC50 flow-through 100 - 136: 96 h Oncorhynchus mykiss mg/L LC50 static 23.2 - 29.7: 96 h Pimephales promelas mg/L LC50 static	2: 48 h Daphnia magna mg/L LC50 11.3 - 18: 48 h Daphnia magna mg/L EC50 Static
ETHYLBENZENE	1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	32: 96 h Lepomis macrochirus mg/L LC50 static 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through	1.8 - 2.4: 48 h Daphnia magna mg/L EC50
METHOXYPROPANOL ACETATE	-	161: 96 h Pimephales promelas mg/L LC50 static	500: 48 h Daphnia magna mg/L EC50

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
No information available

12.6 Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from Residues/Unused Products	Dispose of in accordance with local regulations
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal
Other information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used

14. TRANSPORT INFORMATION

IMDG/IMO

14.1 UN Number	UN1263
14.2 Proper Shipping Name	
14.3 Hazard Class	3
14.4 Packing group	II
14.5 Environmental Hazards	None
14.6 Special Provisions	
EmS-No	F-E, S-E
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN Number	UN1263
14.2 Proper Shipping Name	Paint
14.3 Hazard Class	3
14.4 Packing group	II
Description	UN1263, Paint, Environmentally Hazardous, 3, II
14.5 Environmental Hazards	Yes
14.6 Special Provisions	
Classification Code	F1

ADR/RID

14.1 UN Number	UN1263
14.2 Proper Shipping Name	Paint
14.3 Hazard Class	3
14.4 Packing group	II
Description	UN1263, Paint, Environmentally Hazardous, 3, II, (D/E)
14.5 Environmental Hazards	Yes
14.6 Special Provisions	
Classification Code	F1
ADR/RID-Labels	3

Tunnel restriction code	(D/E)

ICAO

14.1 UN Number	UN1263
14.2 Proper Shipping Name	Paint
14.3 Hazard Class	3
14.4 Packing group	II
Description	UN1263, Paint, 3, II
14.5 Environmental Hazards	None
14.6 Special Provisions	
Special Provisions	None

IATA

14.1 UN Number	UN1263
14.2 Proper Shipping Name	
14.3 Hazard Class	3
14.4 Packing group	II
14.5 Environmental Hazards	None
14.6 Special Provisions	

15. REGULATORY INFORMATION

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

International Inventories
All of the components in the product are on the following Inventory lists No information available.

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2 Chemical Safety Assessment
No information available

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
R10 - Flammable
R43 - May cause sensitization by skin contact
R11 - Highly flammable
R66 - Repeated exposure may cause skin dryness or cracking
R67 - Vapors may cause drowsiness and dizziness
R36 - Irritating to eyes
R41 - Risk of serious damage to eyes
R22 - Harmful if swallowed
R45 - May cause cancer
R46 - May cause heritable genetic damage

R65 - Harmful: may cause lung damage if swallowed
R20/22 - Harmful by inhalation and if swallowed
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R36/38 - Irritating to eyes and skin
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R37/38 - Irritating to respiratory system and skin
R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation

Full text of H-Statements referred to under section 3
H332 - Harmful if inhaled
H373 - May cause damage to organs through prolonged or repeated exposure in contact with skin
H304 - May be fatal if swallowed and enters airways
H225 - Highly flammable liquid and vapor
H226 - Flammable liquid and vapor
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H317 - May cause an allergic skin reaction
H411 - Toxic to aquatic life with long lasting effects
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H331 - Toxic if inhaled
H314 - Causes severe skin burns and eye damage
H341 - Suspected of causing genetic defects in contact with skin
H350 - May cause cancer
H340 - May cause genetic defects in contact with skin
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H372 - Causes damage to organs through prolonged or repeated exposure in contact with skin
EUH066 - Repeated exposure may cause skin dryness or cracking

SVHC: Substances of Very High Concern for Authorization:

TWA	Time-Weighted Average	STEL:	Short term occupational exposure limit value
Ceiling	Maximum limit value	*	Skin designation

Issuing Date: 22-Dec-2011

Revision Date: 23-Jan-2014

Revision Note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.