

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - United Kingdom (UK)

Sikafloor 416 MAT



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : Sikafloor 416 MAT

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

Not available.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Distributor : Liquid Plastics Limited
Iotech House
Miller Street
Preston
Lancashire PR1 1EA

Telephone no. : +44(0)1772 259781

Fax no. : +44(0)1772 255670

e-mail address of person responsible for this SDS : info@liquidplastics.co.uk

Emergency telephone number : +44(0)870 190 6777

1.4 Emergency telephone number

Supplier

Telephone number : +44(0)870 190 6777

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : R10
Xn; R20
Xi; R37
R42/43, R66
N; R51/53

Physical/chemical hazards : Flammable.

Human health hazards : Harmful by inhalation. Irritating to respiratory system. May cause sensitisation by inhalation and skin contact. Repeated exposure may cause skin dryness or cracking.

Environmental hazards : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard symbol or symbols :



Indication of danger : Harmful, Dangerous for the environment

Date of issue : 07.07.2011.

MSDS no. : 605466-1

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SECTION 2: Hazards identification

Risk phrases	: R10- Flammable. R20- Harmful by inhalation. R37- Irritating to respiratory system. R42/43- May cause sensitisation by inhalation and skin contact. R66- Repeated exposure may cause skin dryness or cracking. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases	: S23- Do not breathe gas/fumes/vapour/spray. S24- Avoid contact with skin. S37- Wear suitable gloves. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Hazardous ingredients	: Isophorondiisocyanate homopolymer 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate
Supplemental label elements	: Contains isocyanates. See information supplied by the manufacturer.

2.3 Other hazards

Other hazards which do not result in classification : Not available.

SECTION 3: Composition/information on ingredients

Substance/mixture : Mixture

Product/ingredient name Identifiers	%	Classification		Type
		67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
solvent naphtha (petroleum), light arom. EC: 918-668-5	>= 20 - < 25	R10 Xn; R65 Xi; R37 R66, R67 N; R51/53	Flam. Liq. 3, H226 STOT SE 3, H335 and H336i Asp. Tox. 1, H304 Aquatic Chronic 2, H411	[1]
2-methoxy-1-methylethyl acetate RRN: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6 Index: 607-195-00-7	>= 10 - < 15	R10	Flam. Liq. 3, H226	[2]
Isophorondiisocyanate homopolymer EC: 500-125-5 CAS: 53880-05-0	>= 1 - < 5	R43	Skin Sens. 1, H317	[1]
xylene RRN: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	>= 2.5 - < 10	R10 Xn; R20/21 Xi; R38	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Asp. Tox. 1, H304	[1] [2]
propyl acetate EC: 203-686-1 CAS: 109-60-4 Index: 607-024-00-6	>= 1 - < 5	F; R11 Xi; R36 R66, R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]
ethylbenzene RRN: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	>= 1 - < 2.5	F; R11 Xn; R20	Flam. Liq. 2, H225 Acute Tox. 4, H332	[1] [2]
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate RRN: 01-2119490408-31 EC: 223-861-6 CAS: 4098-71-9	>= 0.5 - < 2	T; R23 Xi; R36/37/38 R42/43 N; R51/53	Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334	[1]

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SECTION 3: Composition/information on ingredients

Index: 615-008-00-5			Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411	
Pentamethyl piperidylsebacate EC: 255-437-1 CAS: 41556-26-7	>= 0.25 - < 2.5	R43 N; R50/53	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
Dibutyltin dilaurate EC: 201-039-8 CAS: 77-58-7	>= 0.1 - < 0.25	Muta. Cat. 3; R68 Repr. Cat. 2; R60, R61 T; R48/25 Xn; R22 Xi; R38 N; R50/53	Acute Tox. 3, H301 Skin Irrit. 2, H315 Muta. 2, H341 Repr. 1B, H360FD STOT RE 1, H372o Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate EC: 280-060-4 CAS: 82919-37-7	>= 0.1 - < 0.25	R43 N; R50/53 See section 16 for the full text of the R-phrases declared above	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 See Section 16 for the full text of the H statements declared above.	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Get medical attention. Get medical attention if symptoms appear.
- Skin contact** : Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Maintain an open airway. Seek immediate medical attention.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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**Potential acute health effects**

- Eye contact** : May cause eye irritation.
- Inhalation** : Harmful by inhalation. Irritating to respiratory system. May cause sensitisation by inhalation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

SECTION 4: First aid measures

- Skin contact** : Defatting to the skin. May cause skin dryness and irritation. May cause sensitisation by skin contact.
- Ingestion** : No known significant effects or critical hazards.
- Over-exposure signs/symptoms**
- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
wheezing and breathing difficulties
asthma
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
dryness
cracking
- Ingestion** : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Suitable extinguishing media** : Use dry chemical, CO₂, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2 Environmental precautions

- : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment.

6.4 Reference to other sections

- : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Avoid release to the environment. Refer to special instructions/safety data sheet. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Empty containers retain product residue and can be hazardous. Take precautionary measures against electrostatic discharges.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**Occupational exposure limits

Product/ingredient name	Exposure limit values
2-methoxy-1-methylethyl acetate	EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin. STEL: 548 mg/m ³ 15 minute(s). STEL: 100 ppm 15 minute(s). TWA: 274 mg/m ³ 8 hour(s). TWA: 50 ppm 8 hour(s).
xylene	EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin. STEL: 441 mg/m ³ 15 minute(s). STEL: 100 ppm 15 minute(s). TWA: 220 mg/m ³ 8 hour(s). TWA: 50 ppm 8 hour(s).
propyl acetate	EH40/2005 WELs (United Kingdom (UK), 8/2007). STEL: 1060 mg/m ³ 15 minute(s). STEL: 250 ppm 15 minute(s). TWA: 849 mg/m ³ 8 hour(s). TWA: 200 ppm 8 hour(s).
ethylbenzene	EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin. STEL: 552 mg/m ³ 15 minute(s). STEL: 125 ppm 15 minute(s). TWA: 100 ppm 8 hour(s). TWA: 441 mg/m ³ 8 hour(s).
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	EH40/2005 WELs (United Kingdom (UK), 8/2007). Skin sensitiser. Notes: as NCO STEL: 0.07 mg/m ³ , (as NCO) 15 minute(s). TWA: 0.02 mg/m ³ , (as NCO) 8 hour(s).
Dibutyltin dilaurate	EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin. Notes: as Sn STEL: 0.2 mg/m ³ , (as Sn) 15 minute(s). TWA: 0.1 mg/m ³ , (as Sn) 8 hour(s).

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required 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 European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived effect levels

SECTION 8: Exposure controls/personal protection

No DELs available.

Predicted effect concentrations

No PECs available.

8.2 Exposure controls

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Reference number EN 374. Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves. (0,4 mm), breakthrough time <30 min. Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Use barrier skin cream.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
organic vapour filter (Type A)
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid.
Colour : Colourless.
Odour : Hydrocarbon.
Odour threshold : Not available.
pH : Not available.
Melting point/freezing point : Not available.
Initial boiling point and boiling range : >100°C
Flash point : Closed cup: 35°C

SECTION 9: Physical and chemical properties

Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Burning time	: Not applicable.
Burning rate	: Not applicable.
Upper/lower flammability or explosive limits	: Lowest known value: Lower: 0.8% (solvent naphtha (petroleum), light arom.,2-methoxy-1-methylethyl acetate) Highest known value: Upper: 8% (propyl acetate)
Vapour pressure	: Highest known value: 3.3 kPa (24.75 mm Hg) (propyl acetate)
Vapour density	: >1 [Air = 1]
Density	: ~1.03 g/cm ³ [20°C (68°F)]
Relative density	: Not available.
Solubility(ies)	: Insoluble in the following materials: water
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: 270°C (2-methoxy-1-methylethyl acetate)
Decomposition temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not available.
Oxidising properties	: Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
10.5 Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure

SECTION 11: Toxicological information

solvent naphtha (petroleum), light arom.,2-methoxy-1- methylethyl acetate	LD50 Oral	Rat	8400 mg/kg	-
2-methoxy-1-methylethyl acetate	LD50 Oral	Rat	8532 mg/kg	-
xylene	LC50 Inhalation Gas. LD50 Dermal	Rat Rabbit	5000 ppm >1700 mg/kg	4 hours -
propyl acetate	LD50 Oral	Rat	4300 mg/kg	-
ethylbenzene	LD50 Oral LD50 Dermal	Rat Rabbit	9370 mg/kg >5000 mg/kg	- -
3-isocyanatomethyl-3,5,5- trimethylcyclohexyl isocyanate	LD50 Oral	Rat	3500 mg/kg	-
Dibutyltin dilaurate	LD50 Oral	Rat	4825 mg/kg	-
			175 mg/kg	-

Conclusion/Summary : Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitisation

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : May cause eye irritation.

Inhalation : Harmful by inhalation. Irritating to respiratory system. May cause sensitisation by inhalation. May cause irritation.

Skin contact : Defatting to the skin. May cause skin dryness and irritation. May cause sensitisation by skin contact.

Ingestion : Can cause gastrointestinal disturbances.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
wheezing and breathing difficulties
asthma

Skin contact : Adverse symptoms may include the following:
irritation
redness
dryness
cracking

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure**Short term exposure**

SECTION 11: Toxicological information

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Other information : Not available.

SECTION 12: Ecological information**12.1 Toxicity**

Product/ingredient name	Result	Species	Exposure
ethylbenzene	Acute LC50 150 to 200 mg/L Fresh water	Fish	96 hours

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
propyl acetate	1.24	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.





Packaging : Completely emptied packaging or practically empty packaging containing dried/cured residues, once relieved of all pressure can be disposed of as non-hazardous waste.

Packaging may still contain hazardous residues and disposal should undertaken by a licensed waste contractor.

Any disposal practice must be in compliance with local and national laws and regulations.

packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

	ADR/RID - ADN/ADNR	IMDG	IATA
14.1 UN number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	Paint related material Naphtha, solvent	Paint related material Naphtha, solvent	Paint related material Naphtha, solvent
14.3 Transport hazard class(es)	3 	3  	3 
14.4 Packing group	III	III	III
14.5 Environmental hazards	No.	Yes.	No.
14.6 Special precautions for user	Not available.	Not available.	Not available.
Additional information	Special provisions 640 (E) Tunnel code (D/E)	Emergency schedules (EmS) F-E, S-E	-
Classification code	F1		

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Regulation (EC) No. 1907/2006 (REACH)****Annex XIV - List of substances subject to authorisation****Substances of very high concern**

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

VOC content (EU) : VOC (w/w): 38.84%

Other EU regulations

REACH Information: : All substances contained in Sika Products are
 - preregistered or registered by our upstream suppliers, and/or
 - preregistered or registered by Sika, and/or
 - excluded from the regulation, and/or
 - exempted from the registration.

Europe inventory : Not available.

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
Dibutyltin dilaurate	-	Muta. Cat. 3; R68	Repr. Cat. 2; R61	Repr. Cat. 2; R60

References : Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4)
 Control of Substances Hazardous to Health Regulations 2002 (COSHH) (as amended)
 Health & Safety at Work Act 1974
 Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR)
 The Environmental Protection (Duty of Care) Regulations 1991
 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007

Guidance Publications : Approved Code of Practice - Management of Health and Safety at Work, HSE
 General Approved Code of Practice to COSHH Regulations, HSE.
 EH40, Workplace Exposure Limits, HSE (as updated).
 HS(G) 53, Respiratory Protection Equipment - a Practical Guide for Users, HSE.

15.2 Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

🔍 Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Full text of abbreviated H statements

SECTION 16: Other information

- : H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- 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.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H335 May cause respiratory irritation. May cause drowsiness or dizziness.
- and
- H336i
- H336 May cause drowsiness or dizziness.
- H341 Suspected of causing genetic defects.
- H360FD May damage fertility. May damage the unborn child.
- H372o Causes damage to organs through prolonged or repeated exposure if swallowed.
- 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.

Full text of classifications [CLP/GHS]

- : Acute Tox. 3, H301 ACUTE TOXICITY: ORAL - Category 3
- Acute Tox. 3, H331 ACUTE TOXICITY: INHALATION - Category 3
- Acute Tox. 4, H312 ACUTE TOXICITY: SKIN - Category 4
- Acute Tox. 4, H332 ACUTE TOXICITY: INHALATION - Category 4
- Aquatic Acute 1, H400 AQUATIC TOXICITY (ACUTE) - Category 1
- Aquatic Chronic 1, H410 AQUATIC TOXICITY (CHRONIC) - Category 1
- Aquatic Chronic 2, H411 AQUATIC TOXICITY (CHRONIC) - Category 2
- Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1
- Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
- Flam. Liq. 2, H225 FLAMMABLE LIQUIDS - Category 2
- Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3
- Muta. 2, H341 GERM CELL MUTAGENICITY - Category 2
- Repr. 1B, H360FD TOXIC TO REPRODUCTION [Fertility and Unborn child] - Category 1B
- Resp. Sens. 1, H334 RESPIRATORY SENSITIZATION - Category 1
- Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
- Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1
- STOT RE 1, H372o SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): ORAL - Category 1
- STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
- STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3
- STOT SE 3, H335 and H336i SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): INHALATION [Respiratory tract irritation and Narcotic effects] - Category 3
- STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Narcotic effects] - Category 3

Full text of abbreviated R phrases

- : R11- Highly flammable.
- R10- Flammable.
- R68- Possible risk of irreversible effects.
- R60- May impair fertility.
- R61- May cause harm to the unborn child.
- R23- Also toxic by inhalation.
- R48/25- Also toxic: danger of serious damage to health by prolonged exposure if swallowed.
- R20- Also harmful by inhalation.
- R22- Also harmful if swallowed.
- R20/21- Also harmful by inhalation and in contact with skin.
- R65- Also harmful: may cause lung damage if swallowed.

SECTION 16: Other information

R36- Irritating to eyes.
R37- Irritating to respiratory system.
R38- Irritating to skin.
R36/37/38- Irritating to eyes, respiratory system and skin.
R43- May cause sensitisation by skin contact.
R42/43- May cause sensitisation by inhalation and skin contact.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications [DSD/DPD] : F - Highly flammable
Muta. Cat. 3 - Mutagen category 3
Repr. Cat. 2 - Toxic to reproduction category 2
T - Toxic
Xn - Harmful
Xi - Irritant
N - Dangerous for the environment

History

Date of printing : 07.07.2011.
Date of issue : 07.07.2011.
Date of previous issue : 18.03.2010.

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