

SAFETY DATA SHEET

M50 BASE

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

1.1	Product	identifier

Product name	: M50 BASE
SDS code	: 21050000B

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

	Identified uses	
Paint. Professional us	e Industrial use	
	Uses advised against	
All other uses		
Product use	: Filler for interior and exterior use	

1.3 Details of the supplier of the safety data sheet

MAPAERO SAS 10, Avenue de la Rijole CS30098 09103 PAMIERS Cedex France e-mail address of person : PSRA_PAMIERS@akzonobel.com responsible for this SDS

1.4 Emergency telephone number

National advisory body/Poison Center			
:	+44 (0)344 892 0111		
:	+33 (0)5 34 01 34 01		
	+33 (0)5 61 60 23 30		
:			
	:		

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360 STOT RE 2, H373 Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Date of issue/Date of revision	: 1-11-2022	Version : 2.01	
Date of previous issue	: 6-10-2022	1/18	AkzoNobel

SECTION 2: Hazards identification

See Section 16 for the full text of the H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms	:					
Signal word	:	Danger				
Hazard statements	:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing genetic defects. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.				
Precautionary statements						
Prevention	:	Obtain special instruct and eye or face protect Wash hands thorough	tion. Avoid rele	ase to the e		es, protective clothing Do not breathe vapor.
Response	:	IF exposed or concerned: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.				
Storage	:	Not applicable.				
Disposal	:	Dispose of contents and international regul		accordance	with all loca	ıl, regional, national
Hazardous ingredients	:	 Feaction product: bisphenol-A-(epichlorhydrin); epoxy resin 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(chloromethyl)oxirane [3-(2,3-epoxypropoxy)propyl]trimethoxysilane oxirane, mono[(C12-14-alkyloxy)methyl] derivs. Naphtha (petroleum), hydrodesulfurized heavy [3-(2,3-epoxypropoxy)propyl]diethoxymethylsilane 				
Supplemental label elements	:	Contains epoxy constituents. May produce an allergic reaction. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.				
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Restricted to professio	onal users.			
Special packaging requirem	er	<u>ts</u>				
Containers to be fitted with child-resistant fastenings	:	Not applicable.				
Tactile warning of danger	:	Not applicable.				
2.3 Other hazards						
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not vPvB.	contain any sub	stances tha	at are asses	sed to be a PBT or a
Date of issue/Date of revision		: 1-11-2022		Version :	2 01	
Date of previous issue		: 1-11-2022		2/18	2.01	AkzoNobel
Date of previous issue		. 0-10-2022		2/10		

SECTION 2: Hazards identification

Other hazards which do : None known.

not result in classification

The mixture may be a skin sensitizer. It may also be a skin irritant and repeated contact may increase this effect.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : M Product/ingredient name	ixture Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	REACH #: 01-2119456619-26 EC: 500-033-5 CAS: 25068-38-6 Index: 603-074-00-8	≥10 - ≤15	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
1,3-Propanediol, 2-ethyl-2- (hydroxymethyl)-, polymer with 2- (chloromethyl)oxirane	REACH #: 01-2120078341-60 CAS: 30499-70-8	<5	Skin Corr. 1C, H314 Skin Sens. 1B, H317 Muta. 2, H341 (oral) Repr. 1B, H360 (oral) Aquatic Chronic 2, H411	[1]
[3-(2,3-epoxypropoxy)propyl] trimethoxysilane	REACH #: 01-2119513212-58 EC: 219-784-2 CAS: 2530-83-8	≤5	Eye Dam. 1, H318	[1]
benzyl alcohol	EC: 202-859-9 CAS: 100-51-6 Index: 603-057-00-5	≤3	Acute Tox. 4, H302 Acute Tox. 4, H332	[1]
oxirane, mono[(C12-14-alkyloxy) methyl] derivs.	REACH #: 01-2119485289-22 CAS: 68609-97-2 Index: 603-103-00-4	≤3	Skin Irrit. 2, H315 Skin Sens. 1, H317	[1]
Naphtha (petroleum), hydrodesulfurized heavy	REACH #: 01-2119458049-33 EC: 265-185-4 CAS: 64742-82-1	≤2	Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 (inhalation) Asp. Tox. 1, H304 Aquatic Chronic 2, H411	[1]
Reaction mass of ethylbenzene and xylene	REACH #: 01-2119488216-32	<1	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1] [2]
[3-(2,3-epoxypropoxy)propyl] diethoxymethylsilane	EC: 220-780-8 CAS: 2897-60-1	<1	Skin Sens. 1B, H317 Aquatic Chronic 3, H412 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, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section. <u>Type</u>

Date of issue/Date of revision : 1-11-2022 Version : 2.01 **AkzoNobel** Date of previous issue :6-10-2022 3/18

SECTION 3: Composition/information on ingredients

[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

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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.
Skin contact	: Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. 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. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
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

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with

Date of issue/Date of revision	: 1-11-2022	Version : 2.01	
Date of previous issue	: 6-10-2022	4/18	AkzoNobel

SECTION 4: First aid measures

the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Based on the properties of the epoxy constituent(s) and considering toxicological data on similar mixtures, this mixture may be a skin sensitizer and an irritant. It contains low-molecular weight epoxy constituents which are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Skin contact with the mixture and exposure to spray, mist and vapors should be avoided.

Contains reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700), 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(chloromethyl)oxirane, oxirane, mono[(C12-14-alkyloxy) methyl] derivs., [3-(2,3-epoxypropoxy)propyl]diethoxymethylsilane. May produce an allergic reaction.

Over-exposure signs/symptoms

Eye contact	Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations

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 an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the	: In a fire or if heated, a pressure increase will occur and the container may burst.
substance or mixture	This material is harmful to aquatic life with long lasting effects. Fire water
	contaminated with this material must be contained and prevented from being
	discharged to any waterway, sewer or drain.

Date of issue/Date of revision	: 1-11-2022	Version : 2.01	
Date of previous issue	: 6-10-2022	5/18	AkzoNobel

Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds 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. No action shall be taken involving any personal risk or without suitable training.
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 spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	Avoid dispersal of spilled 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. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
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

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. 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. Store locked up. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations	: Not available.
Industrial sector specific	: Not available.
solutions	

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

		Exposure limit valuesEH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.STEL: 441 mg/m³ 15 minutes.STEL: 100 ppm 15 minutes.TWA: 220 mg/m³ 8 hours.TWA: 50 ppm 8 hours.		
Date of issue/Date of revision	: 1-11-2022	Version : 2.01		
Date of previous issue : 6-10-2022		7/18	AkzoNobel	

SECTION 8: Exposure controls/personal protection

for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	DNEL	Short term Inhalation	0.75 mg/ kg bw/day	General population [Consumers]	Systemic
- 100)	DNEL	Long term Inhalation	0.75 mg/m³	population	Systemic
	DNEL	Short term Oral	0.75 mg/ kg bw/day	[Consumers] General population	Systemic
	DNEL	Long term Oral	0.75 mg/ kg bw/day	General population	Systemic
	DNEL	Short term Dermal	3.571 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	3.571 mg/ kg bw/day	General population	Systemic
	DNEL	Short term Dermal	8.33 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	8.33 mg/ kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	12.25 mg/ m ³	Workers	Systemic
	DNEL	Long term Inhalation	12.25 mg/ m ³	Workers	Systemic
[3-(2,3-epoxypropoxy)propyl] trimethoxysilane	DNEL	Long term Oral	12.5 mg/ kg bw/day	General population	Systemic
,	DNEL	Long term Dermal	12.5 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	21 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	147 mg/m ³	Workers	Systemic
benzyl alcohol	DNEL	Long term Oral	4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	5.4 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	8 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Oral	20 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	20 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	22 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	27 mg/m³	General population	Systemic
	DNEL	Short term Dermal	40 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	110 mg/m ³	Workers	Systemic
Reaction mass of ethylbenzene and xylene	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	Systemic
,	DNEL	Long term Inhalation	14.8 mg/m ³	General population	Systemic
e of issue/Date of revision : 1-11	-2022		Version	: 2.01	
	-2022		8/18	. 2.01	AkzoNo

SECTION 8: Exposure controls/p	ersonal prote	ction				
DNEL	DNEL Long term 77 mg/m ³ Workers Systemic					
DNEL	Long term Dermal	108 mg/kg bw/day	General population	Systemic		
DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic		
DNEL	Short term Inhalation	289 mg/m ³	Workers	Local		
DNEL	Short term Inhalation	289 mg/m³	Workers	Systemic		

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	Fresh water	3 µg/l	-
	Marine water Sewage Treatment Plant	0.3 μg/l 10 mg/l	-
		0.5 mg/kg dwt 0.5 mg/kg dwt 0.05 mg/kg dwt	- - -

8.2 Exposure controls

Appropriate engineering controls	:	enclosures, local exha	erate dust, fumes, gas, vapor or mis ust ventilation or other engineering o contaminants below any recommend	controls to keep worker
Individual protection mea	sure	<u>S</u>		
Hygiene measures	:	before eating, smoking Appropriate technique Contaminated work cle contaminated clothing	s and face thoroughly after handling g and using the lavatory and at the e s should be used to remove potentia othing should not be allowed out of t before reusing. Ensure that eyewas he workstation location.	nd of the working period. Illy contaminated clothing. he workplace. Wash
Eye/face protection	:	assessment indicates gases or dusts. If con unless the assessmen	ying with an approved standard sho this is necessary to avoid exposure tact is possible, the following protect t indicates a higher degree of protec nield. If inhalation hazards exist, a fu	to liquid splashes, mists, ion should be worn, stion: chemical splash
Skin protection				
Hand protection	:	be worn at all times wh this is necessary. Cor check during use that should be noted that th different for different g	pervious gloves complying with an a nen handling chemical products if a nsidering the parameters specified b the gloves are still retaining their pro- ne time to breakthrough for any glov love manufacturers. In the case of n e protection time of the gloves cann	isk assessment indicates y the glove manufacturer, tective properties. It e material may be nixtures, consisting of
		protection class of 6 (k recommended. Recon When only brief conta- (breakthrough time >3 Recommended gloves	equently repeated contact may occur preakthrough time >480 minutes acc mmended gloves: Viton ® or Nitrile, ct is expected, a glove with protectio 0 minutes according to EN374) is re s: Nitrile, thickness ≥ 0.12 mm. aced regularly and if there is any sig	ording to EN374) is thickness ≥ 0.38 mm. n class of 2 or higher commended.
Date of issue/Date of revision		: 1-11-2022	Version : 2.01	
Date of previous issue		: 6-10-2022	9/18	AkzoNobel
			0,70	

SECTION 8: Exposure controls/personal protection

	The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.
	The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
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.
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	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
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

<u>Appearance</u>	
Physical state	: Liquid.
Color	: White.
Odor	: Characteristic.
Odor threshold	: Not available.
рН	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and	: Not available.
boiling range	
Flash point	: Closed cup: 63°C
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Highest known value: 3.7 (Air = 1) (benzyl alcohol). Weighted average: 2.18 (Air = 1)
Density	: 2.05 g/cm ³
Solubility(ies)	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/ water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (room temperature): 9.76 cm ² /s Kinematic (40°C): 2.01 cm ² /s



SECTION 10: S	Stability and	reactivity
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10.1 Reactivity	No specific test data related to reactivity available for this product or its ingred	lients.
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 occ	ur.
10.4 Conditions to avoid	No specific data.	
10.5 Incompatible materials	No specific data.	
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition produ should not be produced.	cts

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
[8] (2,3-epoxypropoxy)propyl] trimethoxysilane	LD50 Dermal	Rabbit	3970 uL/kg	-
-	LD50 Oral	Rat	7.01 g/kg	-
	LD50 Oral	Rat	22600 uL/kg	-
benzyl alcohol	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Intra-arterial	Rat	441 mg/kg	-
	LD50 Intraperitoneal	Mouse	650 mg/kg	-
	LD50 Intraperitoneal	Rat	400 mg/kg	-
	LD50 Intravenous	Mouse	324 mg/kg	-
	LD50 Intravenous	Rat	53 mg/kg	-
	LD50 Oral	Guinea pig	2500 mg/kg	-
	LD50 Oral	Guinea pig	2500 mg/kg	-
	LD50 Oral	Mouse	1360 mg/kg	-
	LD50 Oral	Mouse	1360 mg/kg	-
	LD50 Oral	Rabbit	1040 mg/kg	-
	LD50 Oral	Rabbit	1040 mg/kg	-
	LD50 Oral	Rat	1.5 mL/kg	-
	LD50 Oral	Rat	1230 mg/kg	-
	LD50 Oral	Rat	1660 mg/kg	-
oxirane, mono[(C12-14-alkyloxy)methyl]	LD50 Oral	Rat	19.2 mL/kg	-
derivs.				
	LD50 Oral	Rat	17100 mg/kg	-
Reaction mass of ethylbenzene and xylene	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours

Conclusion/Summary : Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Feaction product: bisphenol- A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	Eyes - Mild irritant	Rabbit	-	100 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 Ul	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 mg	-
Date of issue/Date of revision	: 1-11-2022	Vers	ion : 2.01		
Date of previous issue	: 6-10-2022	11/18		AkzoNobel	

ECTION 11: Toxicol	ogical information				
[3-(2,3-epoxypropoxy)propyl] trimethoxysilane	Eyes - Mild irritant	Rabbit	-	100 mg	-
y	Skin - Mild irritant	Rabbit	-	500 mg	-
benzyl alcohol	Skin - Moderate irritant	Rabbit	-	24 hours 100 mg	-
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Skin - Moderate irritant	Rabbit	-	24 hours 500 Ul	-
Reaction mass of ethylbenzene and xylene	Eyes - Mild irritant	Rabbit	-	87 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5 mg	-
	Skin - Mild irritant	Rat	-	8 hours 60 UI	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
	Skin - Moderate irritant	Rabbit	-	mg 100 %	-
Conclusion/Summary	: Not available.				
<u>Sensitization</u>					
Conclusion/Summary	: Not available.				
Mutagenicity					
Conclusion/Summary	: Not available.				
Carcinogenicity					
Conclusion/Summary	: Not available.				
Reproductive toxicity					
Conclusion/Summary	: Not available.				
<u>Teratogenicity</u>					
Conclusion/Cummons	. Net evellette				

Conclusion/Summary : Not available. <u>Specific target organ toxicity (single exposure)</u>

Product/ingredient name	Category	Route of exposure	Target organs
Naphtha (petroleum), hydrodesulfurized heavy	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Naphtha (petroleum), hydrodesulfurized heavy	Category 1	inhalation	-

Aspiration hazard

Product/ingredient name	Result
Naphtha (petroleum), hydrodesulfurized heavy	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	Causes serious eye damage.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	Causes skin irritation. May cause an allergic skin reaction.
Ingestion	:	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

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Date of previous issue	: 6-10-2022	12/18	AkzoNobel

SECTION 11: Toxicological information

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Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced fetal weight increase in fetal deaths skeletal malformations

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

-	
Short term exposure	
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 eff	ects
Not available.	
Conclusion/Summary	: Not available.
General	 May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: Suspected of causing genetic defects.
Reproductive toxicity	: May damage fertility or the unborn child.

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

Product/ingredient name	Result	Species	Exposure
penzyl alcohol	Acute LC50 10000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 460000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Acute LC50 15000 µg/l Marine water	Fish - Menidia beryllina	96 hours
Reaction mass of ethylbenzene and xylene	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours

1.1

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Peaction product: bisphenol- A-(epichlorhydrin); epoxy resin	2.64 to 3.78	31	low
benzyl alcohol	0.87	-	low
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	3.77	160 to 263	low
Naphtha (petroleum), hydrodesulfurized heavy	-	10 to 2500	high
Reaction mass of ethylbenzene and xylene	3.12	8.1 to 25.9	low

12.4 Mobility in soil	
Soil/water partition	: Not available.
coefficient (Koc)	
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

<u>Product</u>	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.

SECTION 13: Disposal considerations

Disposal considerations : Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

	Waste code	Waste designation
	EWC 08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
E	ackaging	
	Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
	Disposal considerations	 Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.
S	pecial precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

14.6 Special precautions for : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in user the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments

: Not applicable.



SECTION 15: Regulatory information

15.1 Safety, health and enviro	onmental regulations/legis	lation specific for the substance	e or mixture
EU Regulation (EC) No. 1907/2006 (REACH)			
Annex XIV - List of substances subject to authorization			
Annex XIV			
None of the components a	re listed.		
Substances of very high	<u>concern</u>		
None of the components a	re listed.		
Annex XVII - Restrictions	: Restricted to profession	al users.	
on the manufacture,			
placing on the market and use of certain			
dangerous substances,			
mixtures and articles			
Other EU regulations			
VOC		ive 2004/42/EC on VOC apply to the nical data sheet for further information of the second structure information of the second structure information of the second structure in the second structure is a second structure in the second structure in the second structure is a second structure in the second structure is a second structure in the second structure in the second structure is a second structure is a second structure in the second structure in	
VOC for Ready-for-Use Mixture	: Not applicable.		
Industrial emissions	: Not listed		
(integrated pollution			
prevention and control) - Air			
Industrial emissions	: Not listed		
(integrated pollution	. Not listed		
prevention and control) -			
Water			
Ozone depleting substanc	<u>es (1005/2009/EU)</u>		
Not listed.			
Prior Informed Consent (P	<u>IC) (649/2012/EU)</u>		
Not listed.			
Seveso Directive			
This product is not controlled	d under the Seveso Directive		
National regulations			
Industrial use	: The information contain	ed in this safety data sheet does no	ot constitute the user's
	own assessment of wor	kplace risks, as required by other h ns of the national health and safety	ealth and safety
International regulations			
Chemical Weapon Convent	<u>ion List Schedules I, II & II</u>	Chemicals	
Not listed.			
Montreal Protocol			
Not listed.			
Stockholm Convention on F	Persistent Organic Polluta	<u>nts</u>	
Not listed.	-		
Rotterdam Convention on F Not listed.	Prior Informed Consent (PI	<u>C)</u>	
UNECE Aarhus Protocol on	POPs and Heavy Metals		
Not listed.			
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	-		AkzoNobol



SECTION 15:	Regulatory	information
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Inventory list

Europe

: Not determined.

- 15.2 Chemical Safety : No Chemical Safety Assessment has been carried out.
- Assessment

SECTION 16: Other information

\checkmark	Indicates information that has changed from previously issued version.	
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Abbreviations and	: ATE = Acute Toxicity Estimate
acronyms	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No Effect Level
	EUH statement = CLP-specific Hazard statement
	N/A = Not available
	PBT = Persistent, Bioaccumulative and Toxic
	PNEC = Predicted No Effect Concentration
	RRN = REACH Registration Number
	SGG = Segregation Group
	vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Muta. 2, H341	Calculation method
Repr. 1B, H360	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated
	exposure.
H373	May cause damage to organs through prolonged or repeated
	exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Full text of algorithms [CL P/CH	01

Full text of classifications [CLP/GHS]

SECTION	16: Other	information
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SECTION 10. Other	Information	
Acute Tox. 4 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 3 Muta. 2 Repr. 1B Skin Corr. 1C Skin Sens. 1 Skin Sens. 1 Skin Sens. 1B STOT RE 1 STOT RE 2 STOT SE 3	ACUTE TOXICITY - Category 4 AQUATIC HAZARD (LONG-TERM) - Category 2 AQUATIC HAZARD (LONG-TERM) - Category 3 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 3 GERM CELL MUTAGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 1B SKIN CORROSION/IRRITATION - Category 1C SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITIZATION - Category 1 SKIN SENSITIZATION - Category 1 SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 3	
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Notion to reador		

Notice to reader

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IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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