



606 - Q-PRIMER (A)

Printed on 10/05/2021
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Replaced revision:3 (Dated 27/11/2020)

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Code: 606

Product name Q-PRIMER (A)

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

TWO COMPONENT PRIMER AND CONSOLIDATOR IN WATER BASED EMULSION.

1.3. Details of the supplier of the safety data sheet

NORD RESINE S.p.A. Name Full address Via Fornace Vecchia, 79

District and Country 31058 Susegana (TV)

Italia

Tel. +39 0438-437511 Fax +39 0438-435155

e-mail address of the competent person

responsible for the Safety Data Sheet annabreda@nordresine.com

NORD RESINE S.p.A. Product distribution by:

1.4. Emergency telephone number

For urgent inquiries refer to +39 0438 437511

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2 H319 Causes serious eve irritation. Skin irritation, category 2 H315 Causes skin irritation.

Skin sensitization, category 1 H317 May cause an allergic skin reaction. Hazardous to the aquatic environment, chronic H411 Toxic to aquatic life with long lasting effects.

toxicity, category 2

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:





Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.



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SECTION 2. Hazards identification .../>>

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Precautionary statements:

P280 Wear protective gloves / eye protection / face protection.

P273 Avoid release to the environment.

P391 Collect spillage.

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.

P333+P313 If skin irritation or rash occurs: Get medical advice / attention.

P337+P313 If eye irritation persists: Get medical advice / attention.

Contains: ALKYL (C12-14) GLYCIDYL ETHER

Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and

[2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

VOC (Directive 2004/42/EC):

Binding primers.

VOC given in g/litre of product in a ready-to-use condition : 0,00 Limit value: 30,00

- Catalysed with: 125,00 % Q-PRIMER COMP. B

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification x = Conc. % Classification 1272/2008 (CLP)

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bis oxirane

CAS 1675-54-3 50 ≤ x < 75 Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411

EC 216-823-5

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Reg. no. 01-2119456619-26

Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and

 $\hbox{$[2-(4-(oxiran-2-ylmethoxy)benzyl]phenoxy}$ methyl) oxirane \ and \ \hbox{$[2,2'-[methylenebis(2,1-phenyleneoxymethylene)]} dioxirane \ and \ \hbox{$[2,2'-[methylenebis(2,1-phenyleneoxymethylene]]} dioxirane \ and \ \hbox{$[2,2'-[methylenebis(2,1-phenyleneoxymethyleneox$

CAS 9003-36-5 $25 \le x < 35$ Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411

EC 701-263-0

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Reg. no. 01-2119454392-40 **ALKYL (C12-14) GLYCIDYL ETHER**

CAS 68609-97-2 15 ≤ x < 25 Skin Irrit. 2 H315, Skin Sens. 1 H317

EC 271-846-8 INDEX 603-103-00-4 Reg. no. 01-2119485289-22

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.



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SECTION 4. First aid measures .../>>

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.



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SECTION 7. Handling and storage .../>>

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Normal value for fresh water sediment 0,996 mg/kg Normal value for marine water sediment 0,0996 mg/kg alth - Derived no-effect level - DNEL / DMEL Effects on consumers Route of exposure Acute Acute Chronic Chronic Acute Acute Chronic local systemic local systemic local systemic local Oral VND 0,75 mg/kg/d		dicted no-effect co		- PNEC						
Normal value for fresh water sediment 0,996 mg/kg Normal value for marine water sediment 0,0996 mg/kg alth - Derived no-effect level - DNEL / DMEL Effects on consumers Route of exposure Acute Acute Chronic Chronic Acute Acute Chronic local systemic local systemic local systemic local on the systemic local systemic local on the	Acute Acut	Normal value in fresh	n water					0,006	mg//l	
Normal value for marine water sediment ealth - Derived no-effect level - DNEL / DMEL Effects on consumers Route of exposure	Value	Normal value in mari	ne water					0,0006	mg/l	
Realth - Derived no-effect level - DNEL / DMEL Effects on consumers Route of exposure	Eyel - DNEL / DMEL Effects on consumers Effects on workers	Normal value for fres	h water sedi	ment				0,996	mg/kg	
Route of exposure Acute Acute Chronic Chronic Acute Acute Chronic local systemic local systemic local systemic local Oral VND 0,75 mg/kg/d	Effects on consumers Chronic Chronic Acute Acute Acute Chronic Chronic Chronic Acute Acute Chronic Chronic Chronic Acute Acute Acute Chronic Chronic	Normal value for mar	ine water se	diment				0,0996	mg/kg	
Route of exposure Acute Acute Chronic Chronic Acute Acute Chronic local systemic local systemic local systemic local Oral VND 0,75 mg/kg/d	Acute Acute Chronic Acute Acute Chronic Chronic ocal systemic local systemic local systemic local systemic VND 0,75 mg/kg/d VND 12,25 mg/m3 VND 3,571 VND 8,33	ealth - Derived no-eff	ect level - D	NEL / DMEL						
Oral systemic local systemic local systemic local on the systemic local systemic local systemic local on the systemic local systemic local on the systemic local systemic local on the systemic local on the systemic local systemic local on the	ocal systemic local vND systemic o,75 mg/kg/d local systemic olocal		Effects of	n consumers			Effects on w	vorkers		
Oral VND 0,75 mg/kg/d	VND 0,75 mg/kg/d VND 12,25 mg/m3 VND 3,571 VND 8,33	Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
mg/kg/d	mg/kg/d VND 12,25 mg/m3 VND 3,571 VND 8,33		local	systemic	local	systemic	local	systemic	local	systemic
	VND 12,25 mg/m3 VND 3,571 VND 8,33	Oral			VND	0,75				
Inhalation	mg/m3 VND 3,571 VND 8,33					mg/kg/d				
	VND 3,571 VND 8,33	Inhalation							VND	12,25
										mg/m3
Skin VND 3,571 VND	mg/kg/d mg/kg	Skin			VND	3,571			VND	8,33
mg/kg/d						mg/kg/d				mg/kg
action mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and		({2-[4-(oxiran-2-ylme	thoxy)benz	yl]phenoxy}met	thyl)oxirane an	/ -				
		2'-[methylenebis(2,1	-phenylene	oxymethylene)]	dioxirane					
-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and	xy)benzyl]phenoxy}methyl)oxirane and	redicted no-effect co	ncentration	- PNEC						
2-{{2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane	xy)benzyl]phenoxy}methyl)oxirane and enyleneoxymethylene)]dioxirane	Normal value in fresh	water					0,003	mg/l	
eaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and 2-{{2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane redicted no-effect concentration - PNEC Normal value in fresh water 0,003 mg/l	xy)benzyl]phenoxy}methyl)oxirane and enyleneoxymethylene)]dioxirane ntration - PNEC	Normal value for fres	h water sedi	ment				0.294	ma/ka	

[2-({2-[4-(oxiran-2-ylme	• ,		• /	d				
[2,2'-[methylenebis(2,1	-phenylene	eoxymethylene)]	dioxirane					
Predicted no-effect cor	ncentration	- PNEC						
Normal value in fresh water						0,003	mg/l	
Normal value for fres	h water sed	iment				0,294	mg/kg	
Normal value for mar	ine water se	ediment				0,029	mg/kg	
Normal value for water	er, intermitte	ent release				0,025	mg/l	
Normal value of STP	microorgan	isms				10	mg/l	
Normal value for the	terrestrial co	ompartment				0,237	mg/kg	
lealth - Derived no-eff	ect level - D	ONEL / DMEL						
	Effects o	n consumers						
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral				6,25				
				mg/kg bw/d				
Inhalation				8,7				29,39
				mg/m3				mg/m3
Skin				62,5				104,15
				mg/kg bw/d				mg/kg

			ALKYL (C12-1	4) GLYCIDYL E	THER					
Predicted no-effect cor	ncentration	- PNEC								
Normal value in fresh	water					0,0072	mg/l			
Normal value in marii	ne water					0,00072	mg/l			
Normal value for fresh water sediment						66,77	mg/kg			
Normal value for mar	ine water se	diment				6,677	mg/kg			
Normal value of STP	microorgani	sms				10	mg/l			
Normal value for the	terrestrial co	mpartment				80,12	mg/kg			
ealth - Derived no-eff	ect level - D	NEL / DMEL								
	Effects on consumers				Effects on workers					
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic		
	local	systemic	local	systemic	local	systemic	local	systemic		
Inhalation		-				•		13,8		
								mg/m3		
Skin								3,9		
								mg/kg		
								bw/d		

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

bw/d



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Information

SECTION 8. Exposure controls/personal protection

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

ENVIRONMENTAL EXPOSURE CONTROLS

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties Value Appearance liauid Colour colourless Odour characteristic Odour threshold Not available Not available Melting point / freezing point Not available Initial boiling point 200 °C Boiling range Not available Flash point 150 °C **Evaporation Rate** Not available Flammability of solids and gases Not available Lower inflammability limit Not available Upper inflammability limit Not available Lower explosive limit Not available Upper explosive limit Not available Vapour pressure Not available Vapour density Not available Relative density 1,13 kg/l soluble in organic solvents Solubility

Partition coefficient: n-octanol/water Not available Not available Auto-ignition temperature Decomposition temperature Not available Not available Viscosity Explosive properties Not available Oxidising properties Not available

9.2. Other information

VOC (Directive 2010/75/EC):

@EPY 10.4.2 - SDS 1004.13





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Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

ATE (Oral) of the mixture:

Not classified (no significant component)

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

ALKYL (C12-14) GLYCIDYL ETHER

LD50 (Dermal) > 10000 mg/kg Rat

Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and

[2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

LD50 (Oral) > 5000 mg/kg Rat LD50 (Dermal) > 2000 mg/kg Rat

SKIN CORROSION / IRRITATION





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SECTION 11. Toxicological information .../>>

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

12.1. Toxicity

ALKYL (C12-14) GLYCIDYL ETHER

LC50 - for Fish > 5000 mg/l/96h Rainbow trout

 $Reaction \ mass \ of \ 2,2'-[methylenebis (4,1-phenyleneoxymethylene)] dioxirane \ and$

 $[2-(\{2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy\}methyl) oxirane \ and \ [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane \ and \ [2,2'-[methylenebis(2,1-phenyleneoxymethyle$

LC50 - for Fish 2,54 mg/l/96h

EC50 - for Crustacea 2,55 mg/l/48h Daphnia Magna

EC50 - for Algae / Aquatic Plants 1,8 mg/l/72h

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane LC50 - for Fish 1,5 mg/l/96h Fish

12.2. Persistence and degradability

ALKYL (C12-14) GLYCIDYL ETHER

Solubility in water 0,483 mg/l

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane Solubility in water 0,1 - 100 mg/l

NOT rapidly degradable

12.3. Bioaccumulative potential





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SECTION 12. Ecological information .../>>

ALKYL (C12-14) GLYCIDYL ETHER

BCF 263

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane Partition coefficient: n-octanol/water > 2,918

BCF 3

12.4. Mobility in soil

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

Partition coefficient: soil/water 2,65

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number

IMDG:

IATA:

ADR / RID, IMDG, IATA: 3082

ADR / RID: In accordance with Special Provision 375, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not

submitted to ADR provisions.

IMDG: In accordance with Section 2.10.2.7 of IMDG Code, this product, when is packed in receptacles of a capacity ≤ 5Kg or

5L, is not submitted to IMDG Code provisions.

IATA: In accordance with SP A197, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to

IATA dangerous goods regulations.

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

 $(2,2'\hbox{-}[(1\hbox{-methylethylidene}) bis (4,1\hbox{-phenylene} oxymethylene)] bis oxirane; \ Reaction\ mass\ of$

2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane; Reaction mass of

2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane; Reaction mass of

2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane)



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SECTION 14. Transport information .../>>

14.3. Transport hazard class(es)

ADR / RID:

Class: 9

Label: 9

IMDG:

Class: 9

Label: 9

IATA:

Class: 9

Label: 9



14.4. Packing group

ADR / RID, IMDG, IATA:

14.5. Environmental hazards

ADR / RID:

Environmentally Hazardous

IMDG:

Marine Pollutant

IATA:

Environmentally Hazardous





14.6. Special precautions for user

ADR / RID:

HIN - Kemler: 90

Limited Quantities: 5 L

Tunnel restriction code: (-)

IMDG: IATA:

Special Provision: -EMS: F-A, S-F Cargo:

Limited Quantities: 5 L Maximum quantity: 450 L Maximum quantity: 450 L

Packaging instructions: 964 Packaging instructions: 964

Special Instructions:

A97, A158, A197

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Pass.:

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EC:

E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product Point

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

Substances subject to the Rotterdam Convention:

None

ΕN



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Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

VOC (Directive 2004/42/EC): Binding primers.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Eye irritation, category 2 Eve Irrit. 2 Skin Irrit. 2 Skin irritation, category 2 Skin Sens. 1 Skin sensitization, category 1

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2

H319 Causes serious eye irritation. H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament



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SECTION 16. Other information .../>>

8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament

- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 16. Regulation (EU) 2019/521 (XII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

02 / 03 / 08 / 11 / 12 / 14.