

681 - NORPHEN 200 HCR RESISTENTE AL VINO (B)

Revision nr.6 Dated 01/03/2024 Printed on 01/03/2024
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Replaced revision:5 (Dated 22/11/2023)

(TV)

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Code: 681

Product name NORPHEN 200 HCR RESISTENTE AL VINO (B)

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

SOLVENT-FREE EPOXY ENAMEL WITH HIGH CHEMICAL RESISTANCE

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

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. Supplier:

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:

Acute toxicity, category 4	H302	Harmful if swallowed.
Specific target organ toxicity - repeated exposure,	H373	May cause damage to organs through prolonged or
category 2		repeated exposure.
Skin corrosion, category 1C	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic	H412	Harmful to aquatic life with long lasting effects.
toxicity, category 3		

2.2. Label elements

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

Hazard pictograms:



Signal words: Danger

ΕN



NORD RESINE S.p.A.

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SECTION 2. Hazards identification .../>>

Hazard statements:

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

H314 Causes severe skin burns and eye damage.H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P260 Do not breathe dust / fume / gas / mist / vapours / spray.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P280 Wear protective gloves/ protective clothing / eye protection / face protection.

P310 Immediately call a POISON CENTER / doctor.
P264 Wash thoroughly with water and soap after handling.

Contains: FORMALDEHYDE, POLYMER WITH BENZENEAMINE, HYDROGENATED

2,4,6-TRIS(DIMETHYLAMINOMETHYL) PHENOL

BENZYL ALCOHOL SALICYLIC ACID

VOC (Directive 2004/42/EC):

Two-pack reactive performance coatings for specific end use such as floors.

VOC given in g/litre of product in a ready-to-use condition : 339,23 Limit value: 500,00

- Catalysed with: 200,00 % NORPHEN 200 HCR RESISTENTE AL VINO (A)

2.3. Other hazards

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

The product contains substances with endocrine disrupting properties in concentration ≥ 0,1%: SALICYLIC ACID

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

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

BENZYL ALCOHOL

INDEX 603-057-00-5 $35 \le x < 50$ Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Sens. 1B H317

EC 202-859-9 LD50 Oral: 1200 mg/kg CAS 100-51-6

REACH Reg. 01-2119492630-38

FORMALDEHYDE, POLYMER WITH BENZENEAMINE, HYDROGENATED

INDEX 35 ≤ x < 50 Acute Tox. 3 H301, STOT RE 2 H373, Skin Corr. 1C H314, Eye Dam. 1 H318,

Skin Sens. 1 H317, Aquatic Chronic 3 H412

EC 603-894-6 LD50 Oral: 300 mg/kg

CAS 135108-88-2 REACH Reg. 01-2119983522-33

2,4,6-TRIS(DIMETHYLAMINOMETHYL) PHENOL

INDEX 603-069-00-0 $5 \le x < 8$ Acute Tox. 4 H302, Skin Corr. 1C H314, Eye Dam. 1 H318

EC 202-013-9 STA Oral: 500 mg/kg CAS 90-72-2

REACH Reg. 01-2119560597-27

@EPY 11.5.2 - SDS 1004.14



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SECTION 3. Composition/information on ingredients/>>

SALICYLIC ACID

INDEX $1 \le x < 3$ Repr. 2 H361d, Acute Tox. 4 H302, Eye Dam. 1 H318

EC 200-712-3 CAS 69-72-7

200-712-3 LD50 Oral: 891 mg/kg 69-72-7

REACH Reg. 01-2119486984-17

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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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



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SECTION 6. Accidental release measures/>>

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.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

CZE	Česká Republika	Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)



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SECTION 8. Exposure controls/personal protection .../>>

				BENZYI	L ALCOHOL				
Threshold Limit V	'alue								
Туре	Country	TWA/8h		STEL/15	min	Remarks /	Observations		
	-	mg/m3	ppm	mg/m3	ppm				
TLV	CZE	40	8,88	80	17,76				
AGW	DEU	22	5	44	10	SKIN	11		
NDS/NDSCh	POL	240							
MV	SVN	22	5	44	10	SKIN			
Predicted no-effe	ct concentra	ation - PNEC							
Normal value in	fresh water						1	mg/l	
Normal value in	marine wate	er					0,1	mg/l	
Normal value for fresh water sediment						5,27	mg/kg		
Normal value for marine water sediment						0,527	mg/kg		
Normal value for			ase				2,3	mg/l	
Normal value of	f STP microo	rganisms					39	mg/l	
Normal value for	or the terrestr	ial compartn	nent				0,45	mg/kg	
Health - Derived n	o-effect lev	el - DNEL / I	DMEL						
		cts on consu	mers			Effects on w	orkers		
Route of exposi	ure Acu	te Acı	ıte	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	loca	l sys	temic	local	systemic	local	systemic	local	systemic
Oral		20			4				
		mg/	/kg bw/d		mg/kg bw/d				
Inhalation		27			5,4		110		22
		mg/	/m3		mg/m3		mg/m3		mg/m3
Skin		20			4		40		8
		mg/	/kg bw/d		mg/kg bw/d		mg/kg		mg/kg
							bw/d		bw/d

	FOI	RMALDEHYDE,	POLYMER WIT	H BENZENEA	MINE, HYDRO	DGENATED		
Predicted no-effect cor	ncentration	- PNEC			,			
Normal value in fresh	water					0,015	mg/l	
Normal value in marii	ne water					0,002	mg/l	
Normal value for fres	h water sedi	ment				15	mg/kg	
Normal value for mar	ine water se	diment				1,5	mg/kg	
Normal value of STP	microorgani	isms				1,9	mg/l	
Normal value for the	terrestrial co	mpartment				1,8	mg/kg	
lealth - Derived no-eff	ect level - D	NEL / DMEL						
	Effects or	n consumers			Effects on v	workers		
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation						2		0,2
						mg/m3		mg/m3
Skin						6		2
						mg/kg/d		mg/kg/d

		2,4,6-TF	RIS(DIMETHYL	LAMINOMETHY	L) PHENOL			
Predicted no-effect cor	ncentration	- PNEC						
Normal value in fresh	water					0,046	mg/l	
Normal value in marir	ne water					0,005	mg/l	
Normal value for the	terrestrial co	mpartment				0,025	mg/kg	
Health - Derived no-eff	ect level - D	NEL / DMEL					Ů Ů	
	Effects of	n consumers			Effects on w	orkers/		
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral		-		0,075				-
				mg/kg bw/d				
Inhalation		0,13		0,13		2,1		0,53
		mg/m3		mg/m3		mg/m3		mg/m3
Skin		0,075		0,075		0,6		0,15
		mg/kg bw/d		mg/kg bw/d		mg/kg		mg/kg
		<u> </u>		<u> </u>		bw/d		bw/d



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SECTION 8. Exposure controls/personal protection .../>>

	SALICYLIC ACID								
Predicted no-effect con	centration	- PNEC							
Normal value in fresh	water					0,2	mg/l		
Normal value in marir	ne water					0,02	mg/l		
Normal value for fresh	n water sedi	ment				1,42	mg/kg		
Normal value for marine water sediment 0,142 mg/kg									
Health - Derived no-effe	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	
Skin							VND	2	
								mg/kg	

Legend:

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

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

hazard ; MED = medium hazard ; HIGH = high hazard.

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.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): 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.

SKIN PROTECTION

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.

EYÉ PROTECTION

Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

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 required.

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. ENVIRONMENTAL EXPOSURE CONTROLS

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

Value	Information
liquid	
AMBER LIKE	
amino	
not available	
	liquid AMBER LIKE amino not available not available not available



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SECTION 9. Physical and chemical properties/>>

Upper explosive limit
Flash point
Auto-ignition temperature
Decomposition temperature

pH Kinematic viscosity

Solubility

Partition coefficient: n-octanol/water Vapour pressure

Vapour pressure
Density and/or relative density
Relative vapour density
Particle characteristics

not available
> 100 °C
not available
not available
11
not available
insoluble in water

not available 1,081 kg/l not available not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2004/42/EC) : 82,18 % - 888,31 g/litre
VOC (volatile carbon) 36,16 % - 390,88 g/litre

SECTION 10. Stability and reactivity

10.1. Reactivity

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

BENZYL ALCOHOL

Decomposes at temperatures above $870^{\circ}\text{C}/1598^{\circ}\text{F.Possibility}$ of explosion.

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.

BENZYL ALCOHOL

May react dangerously with: hydrobromic acid,iron,oxidising agents,sulphuric acid.Risk of explosion on contact with: phosphorus trichloride.

10.4. Conditions to avoid

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

BENZYL ALCOHOL

Avoid exposure to: air, sources of heat, naked flames.

10.5. Incompatible materials

BENZYL ALCOHOL

Incompatible with: sulphuric acid,oxidising substances,aluminium.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information



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SECTION 11. Toxicological 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: Not classified (no significant component)

ATE (Oral) of the mixture: 439,17 mg/kg

ATE (Dermal) of the mixture: Not classified (no significant component)

BENZYL ALCOHOL

LD50 (Dermal): 2000 mg/kg Rabbit

LD50 (Oral): 1200 mg/kg valore STA dalla tabella 3.1.2 dell'Allegato I del CLP

LC50 (Inhalation mists/powders): 4,178 mg/l/4h Rat

FORMALDEHYDE, POLYMER WITH BENZENEAMINE, HYDROGENATED LD50 (Oral): 300 mg/kg Rat

2,4,6-TRIS(DIMETHYLAMINOMETHYL) PHENOL

LD50 (Oral): 2169 mg/kg Rat

STA (Oral): 500 mg/kg estimate from table 3.1.2 of Annex I of the CLP

(figure used for calculation of the acute toxicity estimate of the mixture)

SALICYLIC ACID

LD50 (Dermal): > 2000 mg/kg Rat LD50 (Oral): 891 mg/kg Rat

SKIN CORROSION / IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

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

May cause damage to organs



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SECTION 11. Toxicological information .../>>

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product contains the following endocrine disruptors in concentrations of 0.1% or greater by weight that may have endocrine disrupting effects on humans and cause adverse effects on the exposed individual or his or her progeny:

SALICYLIC ACID

SECTION 12. Ecological information

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

12.1. Toxicity

BENZYL ALCOHOL

LC50 - for Fish 10 mg/l/96h Bluegill

FORMALDEHYDE, POLYMER WITH BENZENEAMINE, HYDROGENATED

LC50 - for Fish 63 mg/l/96h Poecilia reticulata EC50 - for Crustacea 15,4 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 43,9 mg/l/72h Desmodesmus subspicatus

2,4,6-TRIS(DIMETHYLAMINOMETHYL) PHENOL

LC50 - for Fish 175 mg/l/96h Cyprinus carpio

12.2. Persistence and degradability

BENZYL ALCOHOL Rapidly degradable

SALICYLIC ACID Rapidly degradable

2,4,6-TRIS(DIMETHYLAMINOMETHYL) PHENOL

Solubility in water > 10000 mg/l

NOT rapidly degradable

12.3. Bioaccumulative potential

BENZYL ALCOHOL

Partition coefficient: n-octanol/water 1,1

SALICYLIC ACID

Partition coefficient: n-octanol/water < 4,05 Log Kow

2,4,6-TRIS(DIMETHYLAMINOMETHYL) PHENOL

Partition coefficient: n-octanol/water -0,66

12.4. Mobility in soil

Information not available

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. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available



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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 or ID number

ADR / RID, IMDG, IATA: 2735

14.2. UN proper shipping name

ADR / RID: AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. (FORMALDEHYDE,

POLYMER WITH BENZENEAMINE, HYDROGENATED; 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL)

IMDG: AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. (FORMALDEHYDE,

POLYMER WITH BENZENEAMINE, HYDROGENATED; 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL) AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S. (FORMALDEHYDE,

POLYMER WITH BENZENEAMINE, HYDROGENATED; 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL)

14.3. Transport hazard class(es)

IATA:

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID: NO IMDG: NO IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 80 Limited Quantities: 5 L Tunnel restriction code: (E)

Special provision: -

IMDG:EMS: F-A, S-BLimited Quantities: 5 LIATA:Cargo:Maximum quantity: 60 L

Cargo: Maximum quantity: 60 L Packaging instructions: 856
Passengers: Maximum quantity: 5 L Packaging instructions: 852

Special provision: A3, A803

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant



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SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: Nor

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

Product

Point 3

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

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)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

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):

Two-pack reactive performance coatings for specific end use such as floors.

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances BENZYL ALCOHOL

SECTION 16. Other information

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

Repr. 2 Reproductive toxicity, category 2
Acute Tox. 3 Acute toxicity, category 3
Acute Tox. 4 Acute toxicity, category 4

STOT RE 2 Specific target organ toxicity - repeated exposure, category 2

Skin Corr. 1CSkin corrosion, category 1CEye Dam. 1Serious eye damage, category 1Eye Irrit. 2Eye irritation, category 2Skin Sens. 1Skin sensitization, category 1Skin Sens. 1BSkin sensitization, category 1B

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H361d Suspected of damaging the unborn child.

H301 Toxic if swallowed.
H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

LEGEND:



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- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 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: 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: Regulation (EC) 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: Time-weighted average exposure limit
- TWA STEL: Short-term 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) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EC) 790/2009 (I Atp. CLP) 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
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. 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) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII 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.





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SECTION 16. Other information .../>>

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: 03 / 08 / 11 / 12.