



Articoli per smaltatura, fusione centrifuga e vibrofinitura
Articles for enamelling, centrifugal casting and vibrofinishing

ROTOCAST S.r.l.

Via 1° maggio, 7 - 27036 Mortara PV
tel./fax: ++.39-0384 296229
e-mail: rotocast.it@gmail.com
website: www.rotocast.it

SCHEDA DI DATI DI SICUREZZA

according to 1907/2006 EC Article 31

TRANSPARENT AND COVER ENAMELS

SECTION 1: identification of the substances/mixture and of the company undertaking

1.1. Product identifier

Trade name Trasparent and cover enamels

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

No further relevant information available.

Application of the substance / the mixture Resin for coating, composite, civil, electrical, adhesive systems

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier ROTOCAST S.r.l.
Via 1° Maggio, 7
27036 Mortara (PV)
tel +39 0384 29 62 29
rotocast.it@gmail.com

1.4. Emergency telephone number

Emergency telephone number +39 02 66 10 10 29
Centro Antiveleni - Ospedale di Niguarda
Milano (MI)

Revision date 07/04/21

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SECTION 2: hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (CE) Num.1272/2008



GHS09 environment

Aquatic Chronic 2H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation
Eye Irrit. 2 H319 Causes serious eye irritation
Skin Sens. 1 H317 May cause an allergic skin reaction

2.2. Label elements

Labelling according to Regulation (CE) No 1272/2008

The product is classified and labelled according to the CPL regulation

Hazard pictograms



GHS07



GHS09

Signal word

Warning

Hazard-determining components of labelling

bis [4-(2,3-epoxypropoxy) phenyl] propane
Reaction product: Bisphenol-F- (epichlorohydrin); epoxy resin
Glycidyl ether C12-C14 alcohols

Hazard statements

H315 Causes skin irritation.
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Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

Results of PBT and vPvB assessment

Not applicable.

SECTION 3: composition/information on ingredients

Description

Mixture: consisting of the following components.

CAS: 25068-38-6 EINECS: 500-033-5 Index N.: 603-074-00-8 Reach n. 01-2119456619-26-xxxx	bis [4-(2,3-epoxypropoxy) phenyl] propane Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	50-70%
CAS: 28064-14-4 EINECS: 500-006-8 Index N.: ---- Reach n. 01-2119454392-40-0006	Reaction product: Bisphenol-F- (epichlorohydrin); epoxy resin Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	10-30%
CAS: 68609-97-2 EINECS: 271-846-8 Index N.: 603-103-00-4	Glycidyl ether C12-C14 alcohols Skin Irrit. 2, H315; Skin Sens. 1, H317	10-30%



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SECTION 4: first aid measures

4.1. Description of first aid measures

After inalation

Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing

Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: firefighters measures

5.1. Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray.

For safety reasons unsuitable extinguishing agents

Water with full jet

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3. Advice for firefighters

Protective equipment

Wear self-contained respiratory protective device



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SECTION 6: accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.
Prevent seepage into sewage system, workpits and cellars.
Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

6.4. Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: handling and storage

7.1. Precautions for safe handling

Information about fire - and explosion protection

Protect from heat.
Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles

Provide ventilation for receptacles.
Store in a cool location.

Information about storage in one common storage facility

Not required.

Further information about storage conditions

Keep container tightly sealed.
Store receptacle in a well ventilated area.
Protect from heat and direct sunlight



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7.3. Specific end use(s)

No further relevant information available.

SECTION 8: exposure controls/personal protection

Additional information about design of technical facilities

No further data; see item 7.

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information

The lists valid during the making were used as basis.

8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection

Not necessary if room is well-ventilated. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Use suitable respiratory protective device in case of insufficient ventilation.



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Protection of hands



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection

Safety glasses



Tightly sealed goggles

Body protection

Use protective suit.
Boots
Protective work clothing



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SECTION 9: physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information:	
<ul style="list-style-type: none">• Appearance: Form Colour Odour	Liquid Light yellow Light
<ul style="list-style-type: none">• Change in condition: Melting point/freezing point Initial boiling point and boiling range	Undetermined. >200 °C 142 °C
<ul style="list-style-type: none">• Flash point	142 °C
<ul style="list-style-type: none">• Explosive properties	Product does not present an explosion hazard.
<ul style="list-style-type: none">• Density at 25 °C	1,16 g/cm ³
<ul style="list-style-type: none">• Solubility in / Miscibility with water	Insoluble.

9.2. Other information

No further relevant information available.

SECTION 10: stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3. Possibility of hazardous reactions

Reacts with alcohols, amines, aqueous acids and alkalis.

10.4. Conditions to avoid

No further relevant information available.



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10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide

SECTION 11: toxicological information

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane		
Oral	LD50	>15,000 mg/kg (rat)
Dermal	LD50	23,000 mg/kg (rabbit)
9003-36-5 Reaction product: Bisphenol-F- (epichlorohydrin); epoxy resin		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
68609-97-2 Glycidyl ether C12-C14 alcohols		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>4,500 mg/kg (rabbit)

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are



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STOT-repeated exposure

not met.

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: ecological information

12.1. Toxicity

Aquatic toxicit:	
1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane	
EC50	1.8 mg/kg (daphnia)
9003-36-5 Reaction product: Bisphenol-F- (epichlorohydrin); epoxy resin	
toxicity	2.54 mg/l (Leuciscus idus) 2.55 mg/l (daphnia)
68609-97-2 Glycidyl ether C12-C14 alcohols	
toxicity	844 mg/l (Grünalge Selenastrum (Capricornutum)) 100 mg/l (Belebtschlamm (activated sludge)) 1,800 mg/l (Ochorhyncus mykiss (Regenbogenforelle))

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

No further relevant information available.



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SECTION 13: disposal consideration

13.1. Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

SECTION 14: transport information

14.1. UN-Number

ADR/RID/ADN, IMDG, IATA

UN3082

14.2. UN proper shipping name

ADR/RID/ADN

3 0 8 2 EN V I R O N M E N T A L L Y H A Z A R D O U S
SUBSTANCE, LIQUID, N.O.S. (Epoxy resin)

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (Reaction product: Bisphenol-A-
(epi chlorohydrin) epoxy resin(number average
molecular weight \bar{M}_n 700), Reaction product:
Bisphenol-
F- (epi chlor ohydri n) ; epoxy resi n), MARINE
POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE,LIQUID, N.O.S. (Reaction product:
Bisphenol-A-
(epi chlorohydrin) epoxy resin(number average
molecular weight \bar{M}_n 700), Reaction product:
Bisphenol-
F- (epichlorohydrin); epoxy resin)

14.3. Transport hazard class(es)

ADR/RID/ADN, IMDG, IATA

Class

9 Miscellaneous dangerous substances and articles.

Label

9

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14.4. Packing group

ADR/RID/ADN, IMDG, IATA III

14.5. Environmental hazards

Marine pollutant Y

14.6. Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

Danger code (Kemler): 90

EMS Number: F-A,S-F

SECTION 15: regulatory information

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

Labelling according to Regulation (CE) No 1272/2008

The product is classified and labelled according to the CPL regulation

Hazard pictograms



GHS07



GHS09

Signal word

Warning

Hazard-determining components of labelling

bis [4-(2,3-epoxypropoxy) phenyl] propane
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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The msds has been generated using the DR-Software product ChemGes.



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Abbreviations and acronyms

RID: Reglement internationale concernent le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2