

**IDEAL WORK****PUROMETALLO-RESINA A**

Revision nr. 1

Dated 16/07/2018

Printed on October 3, 2018

Page n. 1/11

Safety Data Sheet

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

1.1. Product identifier

Code: PUROMETALLO-RESINA (PART A)
Product name

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

Intended use Epoxy resin for coatings

1.3 Details of the supplier of the safety data sheet

Company name IDEAL WORK SRL
Address Via Kennedy, 52
Place and country 31030 Vallà di Riese Pio X (TV)
Italy
tel. +39 0423 /4535
fax +39 0423 /748429

e-mail address for a competent person,
responsible for the safety data sheet

sicurezza@idealwork.it

1.4 Emergency telephone number

For information in an emergency

Poison center:
National Poisons Information Service (Birmingham
Unit) City Hospital
Dudley Rd Birmingham
Telephone: +44 121 507 4123
Fax: +44 121 507 55 88
Emergency telephone: 844 892 0111

SECTION 2. Hazards identification.

2.1. Substance or mixture classification

The product is classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments). The product therefore requires a safety data sheet in compliance with the provisions of Regulation (EU) 2015/830. Any additional information regarding risks to health and / or the environment are reported in the sec. 11 and 12 of this sheet.

Classification and indications of danger:

Eye irritation, category 2	H319	Causes serious eye 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 toxicity, category 2	H411	Toxic to aquatic life with long lasting effects.

2.2. Elements of the label

Danger labeling according to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

Hazard pictograms:



Warnings: Warning

Indications of danger:

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 components. May cause an allergic reaction.



IDEAL WORK

PUROMETALLO-RESINA A

Revision nr. 1

Dated 16/07/2018

Printed on October 3, 2018

Page n. 2/11

Precautionary statements:

P201	Obtain special instructions before use.
P273	Do not disperse in the environment.
P280	Wear protective gloves and eye / face protection.
P302 + P352	IN CASE OF SKIN CONTACT: wash with plenty of water.
P305 + P351 + P338	IN CASE OF CONTACT WITH EYES: Rinse thoroughly for several minutes. Remove any contact lenses if it is easy to do.
Continue to rinse.	
P333 + P313	In case of irritation or skin rash: consult a doctor.
P337 + P313	If eye irritation persists, consult a doctor.
P501	Dispose of contents / container in accordance with local / regional / national / international regulations.

Contains: Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight ≤ 700).
Bisphenol F epoxy resin
Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.

2.3. Other dangers

Based on the available data, the product does not contain PBT or vPvB substances in percentages greater than 0.1%.

SECTION 3. Composition/information on ingredients.

3.1. Substances

Information not applicable

3.2. Mixtures

It Contains:

Identificazione	x = Conc. %	Classificazione 1272/2008 (CLP)
Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight ≤ 700).		
CAS 25068-38-6	$50 \leq x < 100$	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411
CE 500-033-5		
INDEX 603-074-00-8		
Nr. Reg. 01-2119456619-26		
Bisphenol F epoxy resin		
CAS 9003-36-5	$10 \leq x < 30$	Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411, EUH205
CE 500-006-8		
INDEX -		
Nr. Reg. 01-2119454392-40		
Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.		
CAS 68609-97-2	$10 \leq x < 30$	Skin Irrit. 2 H315, Skin Sens. 1 H317
CE 271-846-8		
INDEX -		
4-nonilfenolo etossilato, ramificato		
CAS 127087-87-0	$1 \leq x < 5$	Aquatic Chronic 3 H412
CE		
INDEX -		

The full text of the hazard statements (H) is given in section 16 of the sheet.

SECTION 4. First aid measures.

4.1. Description of first aid measures

EYES: Remove any contact lenses. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids well. Consult a doctor if the problem persists.

SKIN: Remove contaminated clothing from behind. Wash immediately and abundantly with water. If irritation persists, consult a doctor. Wash the contaminated garments before reusing them.

INHALATION: Bring the subject to the open air. If breathing is difficult, call a doctor immediately.



IDEAL WORK

PUROMETALLO-RESINA A

Revision nr. 1

Dated 16/07/2018

Printed on October 3, 2018

Page n. 3/11

INGESTION: Consult a doctor immediately. Induce vomiting only as directed by your doctor. Do not give anything by mouth if the subject is unconscious and if not authorized by the doctor.

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

No specific information is known about the symptoms and effects caused by the product.

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

Information not available

SECTION 5. Firefighting measures.

5.1. Fire fighting

SUITABLE EXTINGUISHING MEANS

The means of extinction are the traditional ones: carbon dioxide, foam, dust and nebulized water.

UNSUITABLE EXTINGUISHING MEDIA

No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products.

5.3. Recommendations for firefighters

GENERAL INFORMATION

Cool the containers with jets of water to avoid the decomposition of the product and the development of substances potentially dangerous for health. Always wear full fire protection equipment. Collect the extinguishing waters that must not be discharged into the drains. Dispose of contaminated water used for extinction and fire residue according to current regulations.

EQUIPMENT

Normal fire fighting clothing, such as open circuit compressed air breathing apparatus (EN 137), flame retardant (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

SECTION 6. Accidental release measures.

6.1. Personal precautions, protective equipment and procedures in case of emergency

Block the loss if there is no danger.

Wear appropriate protective equipment (including personal protective equipment referred to in Section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for workers to work and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water or groundwater.

6.3. Methods and materials for containment and remediation

Aspirate the leaked product into a suitable container. If the product is flammable, use an explosion-proof device. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Provide sufficient ventilation of the place affected by the leak. Disposal of contaminated material must be carried out in accordance with the provisions of section 13.

6.4. Reference to other sections

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

SECTION 7. Handling and storage.

7.1. Precautions for Safe Handling

Manipulate the product after having consulted all the other sections of this safety data sheet. Avoid dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before accessing the areas where you eat.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container. Store closed containers in a well-ventilated area away from direct sunlight. Keep containers away from incompatible materials, checking section 10.

7.3. Specific end uses

Information not available



IDEAL WORK

PUROMETALLO-RESINA A

Revision nr. 1

Dated 16/07/2018

Printed on October 3, 2018

Page n. 4/11

SECTION 8. Exposure controls/personal protection.

8.1. Control parameters

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight ≤ 700).

Expected concentration of no effect on the environment - PNEC

Reference value in fresh water	0,006	mg/l
Reference value in sea water	0,001	mg/l
Reference value for sediment in fresh water	0,996	mg/kg
Reference value for sediments in sea water	0,1	mg/kg
Reference value for water, intermittent release	0,018	mg/l
Reference value for STP microorganisms	10	mg/l
Reference value for the food chain (secondary poisoning)	11	mg/kg
Reference value for the Earth compartment	0,196	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Exposure Path	Effects on consumers			Effects on workers				
	Acute Local	Systemic Acute	Chronic Systemic	Chronic Local	Chronic Systemic	Chronic Systemic	Chronic Systemic	
Oral	VND	0,75 mg/kg bw/d	VND	0,75 mg/kg bw/d				
Inhalation				VND	12,25 mg/m3	VND	12,25 mg/m3	
Dermal	VND	3,571 mg/kg bw/d	VND	3,571 mg/kg bw/d	VND	8,33 mg/kg bw/d	VND	8,33 mg/kg bw/d

Resina epossidica bisfenolo F

Concentrazione prevista di non effetto sull'ambiente - PNEC

Reference value in fresh water	0,003	mg/l
Reference value for sediment in fresh water	0,294	mg/kg
Reference value for sediments in sea water	0,029	mg/kg
Reference value for water, intermittent release	0,025	mg/l
Reference value for STP microorganisms	10	mg/l
Reference value for the Earth compartment	0,237	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Exposure Path	Effects on consumers			Effects on workers				
	Acute Local	Systemic Acute	Chronic Systemic	Chronic Local	Chronic Systemic	Chronic Systemic	Chronic Systemic	
Oral			VND	6,25 mg/kg bw/d				
Inhalation			VND	8,7 mg/m3		VND	29,39 mg/m3	
Dermal			VND	62,5 mg/kg bw/d	0,0083 mg/cm2	VND	VND	104,15 mg/kg bw/d

Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.

Expected concentration of no effect on the environment - PNEC

Reference value in fresh water	0,007	mg/l
Reference value in sea water	0,001	mg/l
Reference value for sediment in fresh water	307,16	mg/kg
Reference value for sediments in sea water	30,72	mg/kg
Reference value for water, intermittent release	10	mg/l
Reference value for STP microorganisms	61,42	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Exposure Path	Effects on consumers			Effects on workers			
	Acute Local	Systemic Acute	Chronic Systemic	Chronic Local	Chronic Systemic	Chronic Systemic	Chronic Systemic



IDEAL WORK

PUROMETALLO-RESINA A

Revision nr. 1

Dated 16/07/2018

Printed on October 3, 2018

Page n. 5/11

Oral	0,5 mg/kg bw/d	
Inhalation	0,87 mg/m ³	3,6 mg/m ³
Dermal	0,5 mg/kg bw/d	1 mg/kg bw/d

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

SECTION 9. Physical and chemical properties.

9.1. Information on basic physical and chemical properties

Liquid	Physical State
Color	amber
Odor	no odor
Olfactory threshold	Not available
pH	Not available
Melting or freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	t ₂₀ > 200 ° C
Evaporation rate	Not available
Flammability of solids and gases	Not available
Lower flammability limit	Not available
Upper flammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapor pressure	9.9 Pa (20 ° C)
Vapor density	Not available
Relative density	1.14
Solubility	Not available
Partition coefficient: n-octanol / water:	> 3 (log Pow)
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	1200 - 1500 cP (25 ° C)
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

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.

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight ≤ 700). Experimental data on reactivity for this product are not available.

Bisphenol F epoxy resin

Stable in normal conditions of use and storage.

Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.

No specific data available.

4-nonylphenol ethoxylate, branched

No specific data available.

10.2. Chemical stability

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

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight ≤ 700). Stable in normal conditions of use and storage.

Bisphenol F epoxy resin

Stable in normal conditions of use and storage.

Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.

Stable in normal conditions of use and storage.

4-nonylphenol ethoxylate, branched

No specific data available.

**10.3. Possibility of dangerous reactions**

Unusual reactions are not expected under normal use and storage conditions.

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight ≤ 700). For masses greater than 0.5 Kg the addition of an amine provokes a strongly exothermic reaction.

The reaction of the product with the amines is irreversible.

Bisphenol F epoxy resin

For masses greater than 0.5 Kg the addition of an amine provokes a strongly exothermic reaction. The reaction of the product with the amines is irreversible.

Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.

Stable in normal conditions of use and storage.

4-nonylphenol ethoxylate, branched

No specific data available.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions with regard to chemicals.

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight ≤ 700).

Avoid exposure to: high temperatures.

Thermal decomposition develops gases that can cause compression in closed systems.

Bisphenol F epoxy resin

Avoid exposure to: high temperatures.

Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.

No specific data available.

4-nonylphenol ethoxylate, branched

No specific data available.

10.5. Incompatible materials

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight ≤ 700).

Avoid contact with: oxidizing agents, acids, bases. Avoid unintentional contact with amines.

Bisphenol F epoxy resin

Avoid contact with: acids, oxidizing agents, bases.

Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.

No specific data available.

4-nonylphenol ethoxylate, branched

No specific data available.

10.6. Hazardous decomposition products

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight ≤ 700).

Reactive heated emits: carbon monoxide, water, phenols, phenolic derivatives.

An uncontrolled exothermic reaction releases phenol derivatives, carbon monoxide and water.

Bisphenol F epoxy resin

Reactive heated emits: carbon monoxide, water, phenols, phenolic derivatives.

Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.

No specific data available.

4-nonylphenol ethoxylate, branched

No specific data available.

SECTION 11. Toxicological information.**11.1. Information on toxicological effects**

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed, and chronic effects from short and long-term exposure

Information not available



IDEAL WORK

PUROMETALLO-RESINA A

Revision nr. 1

Dated 16/07/2018

Printed on October 3, 2018

Page n. 7/11

Interactive effects
Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no relevant component)
LD50 (Oral) of the mixture: Not classified (no relevant component)
LD50 (Cutaneous) of the mixture: Not classified (no relevant component)

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight \leq 700).

LD50 (Oral) > 2000 mg / kg female rat
LD50 (Cutaneous) > 2000 mg / kg male / female rat

Bisphenol F epoxy resin

LD50 (Oral) > 5000 mg / kg male / female rat
LD50 (Cutaneous) > 2000 mg / kg male / female rat

Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.

LD50 (Oral) 26.8 mg / kg male rat

4-nonylphenol ethoxylate, branched

LD50 (Oral) > 2000 mg / kg rat
LD50 (Cutaneous) > 2000 mg / kg rabbit

SKIN CORROSION / CUTANEOUS IRRITATION

Causes skin irritation

SERIOUS OCULAR DAMAGE / EYE IRRITATION

Causes serious eye irritation

RESPIRATORY OR CUTANEOUS SENSITIZATION

Sensitizer for the skin

MUTAGENICITY ON GERMINAL CELLS

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TOXICITY FOR REPRODUCTION

Does not meet the classification criteria for this hazard class

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

DANGER IN CASE OF ASPIRATION

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information.

The product is considered to be hazardous to the environment and is toxic to aquatic organisms with long-term adverse effects on the aquatic environment.

12.1. Toxicity

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight \leq 700).

LC50 - Fish	3,6 mg/l/96h <i>Salmo gairdneri</i>
EC50 - Crustaceans	1,7 mg/l/48h <i>Daphnia magna</i>
EC50 - Algae / Aquatic Plants	9,4 mg/l/72h <i>Scenedesmus capricornutum</i>
NOEC Chronic Crustaceans	0,3 mg/l <i>Daphnia magna</i>

Resina epossidica bisfenolo F

LC50 - Fish	0,55 mg/l/96h <i>Leuciscus idus</i>
EC50 - Crustaceans	1,6 mg/l/48h <i>Daphnia magna</i>



IDEAL WORK

PUROMETALLO-RESINA A

Revision nr. 1

Dated 16/07/2018

Printed on October 3, 2018

Page n. 8/11

EC50 - Algae / Aquatic Plants 1,8 mg/l/72h Pseudokirchnerella subcapitata
NOEC Chronic Crustaceans 0,3 mg/l Daphnia magna

Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.
NOEC Cronica Alghe / Piante Acquatiche 500 mg/l Pseudokirchneriella subcapitata

4-nonilfenolo etossilato, ramificato

LC50 - Fish > 10 mg/l/96h Brachydanio rerio

EC50 - Crustaceans > 10 mg/l/48h Daphnia magna

EC50 - Algae / Aquatic Plants > 10 mg/l/72h Desmodesmus subspicatus

12.2. Persistence and degradability

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight \leq 700).

Solubility in water slightly soluble > 5,4 - < 8,4 mg/l

NOT rapidly degradable 5 % 28 d

Bisphenol F epoxy resin

Solubility in water slightly soluble 20 mg/l

NOT rapidly degradable 0 % 28 d

Ossirano, mono [(C12-14-alchilossi) metil] derivati.

Solubility in water leggermente solubile 0,483 mg/l

Rapidly degradable 87 % 28 d

4-nonilfenolo etossilato, ramificato

NOT rapidly degradable < 60 % 28 d

12.3. Bioaccumulative potential

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight \leq 700).

BCF 31

Bisphenol F epoxy resin

BCF 150 l / kg

4-nonylphenol ethoxylate, branched

BCF 3

12.4. Mobility in the soil

Reaction product: bisphenol-A-epichlorohydrin; epoxy resins (average molecular weight \leq 700).

Partition coefficient: soil / water 2.65

Bisphenol F epoxy resin

Partition coefficient: soil / water 3.65

Ossirane, mono [(C12-14-alkyloxy) methyl] derivatives.

Partition coefficient: soil / water > 5.63

12.5. Results of the PBT and vPvB assessment

Based on the available data, the product does not contain PBT or vPvB substances in percentages greater than 0.1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations.

13.1. Waste treatment methods

Reuse, if possible. Product residues are to be considered hazardous special waste. The hazardousness of the waste that partially contains this product must be evaluated according to the laws in force.

Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations.

The transport of waste may be subject to ADR.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in accordance with national waste management regulations.



IDEAL WORK

PUROMETALLO-RESINA A

Revision nr. 1

Dated 16/07/2018

Printed on October 3, 2018

Page n. 9/11

SECTION 14. Transport information.




14.1. UN number

ADR / RID, IMDG, IATA: 3082
ADR / RID: If transported in simple or internal packaging with a capacity of \leq 5Kg or 5L, the product is not subject to the ADR / RID provisions, as foreseen by Special Provision 375.
IMDG: If transported in simple or internal packaging with a capacity of \leq 5Kg or 5L, the product is not subject to the provisions of the IMDG Code, as required by Section 2.10.2.7.
IATA: If transported in simple or internal packaging with a capacity of \leq 5Kg or 5L, the product is not subject to the other IATA provisions, as foreseen by the Special Provision A197.

14.2. UN shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (bisphenol A epoxy resin, epoxy bisphenol F)
IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (bisphenol A epoxy resin, epoxy bisphenol F)
IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (bisphenol A epoxy resin, epoxy bisphenol F)




14.3. Danger classes related to transport

ADR / RID:	Class: 9	Label: 9	
IMDG:	Class: 9	Label: 9	
IATA:	Class: 9	Label: 9	

14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Dangers for the environment

ADR / RID:	Dangerous for the Environment	
IMDG:	Marine Pollutant	
IATA:	Dangerous for the Environment	

14.6. Special precautions for users

ADR / RID: HIN - Kemler: 90 Limited Quantities: 5 L Tunnel restriction code: (E)

Special provision: -
IMDG: EMS: F-A, S-F Limited Quantities: 5 L
IATA: Cargo: Maximum quantity: 450 L Instructions Packing: 964
Pass.: Maximum quantity: 450 L Instructions Packing: 964
Special instructions: A97, A158, A197

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Information not applicable

APPROVAL:

1 KG - Not required for LQ - special arrangement A197 (375)
5 KG - Homologation 1H27Y5 / S / 2018 - Weight 0.334 Kg



IDEAL WORK

PUROMETALLO-RESINA A

Revision nr. 1

Dated 16/07/2018

Printed on October 3, 2018

Page n. 10/11

SECTION 15. Regulatory information.

15.1. Legislative and regulatory provisions on health, safety and environment specific to the substance or mixture

Seveso category - Directive 2012/18 / EC: E2

Restrictions related to the product or to the substances contained according to Annex XVII Regulation (EC) 1907/2006

Product step 3

Substances contained

Point 46 4-nonylphenol ethoxylated, branched

Substances in Candidate List (Article 59 REACH)

Based on the available data, the product does not contain SVHC substances in percentages greater than 0.1%.

Substances subject to authorization (Annex XIV REACH)

4-nonylphenol ethoxylate, branched

Sunset Date: 04/01/2021

Substances subject to export notification obligation Reg. (CE) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Workers exposed to this chemical agent dangerous to health must be subjected to health surveillance carried out according to the provisions of art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk for the safety and health of the worker has been assessed as irrelevant, according to the provisions of art. 224 paragraph 2.

15.2. Evaluation of chemical safety

No chemical safety assessment has been made for the mixture and the substances it contains.

SECTION 16. Other information.

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

Eye Irrit. 2 Eye irritation, category 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

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

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.

H412 Harmful to aquatic life with long lasting effects.

EUH205 Contains epoxy components. May cause an allergic reaction.

LEGEND:

- ADR: European Agreement for the transport of dangerous goods by road
- CAS NUMBER: Chemical Abstract Service number
- EC50: Concentration that gives effect to 50% of the population subjected to tests
- CE NUMBER: ID number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived level without effect
- EmS: Emergency Schedule
- GHS: Global harmonized system for the classification and labeling of chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subjected to tests
- IMDG: International Maritime Code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%



IDEAL WORK

PUROMETALLO-RESINA A

Revision nr. 1

Dated 16/07/2018

Printed on October 3, 2018

Page n. 11/11

- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predictable concentration without effects
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during any moment of work exposure.
- TWA STEL: Short-term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulant according to REACH
- WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (CE) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X 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 Agency Website
- Database of SDS models of chemicals - Ministry of Health and Istituto Superiore di Sanità

Note to the user:

The information contained in this sheet is based on the knowledge available from us at the date of the last version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be interpreted as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force concerning hygiene and safety under his own responsibility. We do not take responsibility for improper use.

Provide adequate training for personnel involved in the use of chemical products.