

SAFETY DATA SHEET

According to EC Regulation 1907/2006 (REACH), Attachment II

Date of issue: 01/01/1999

Last change:01/01/2012

Autopava 3k - BASE (Part A)

1 – Product and company identification

Product data:

Resin coating. Below product characteristics refer to its liquid state, not hardened.

Commercial Name:

Autopava 3k – BASE (Part A)

Article number:

N° of REACH registration (of raw materials carried out by suppliers):

01-2119456619-26-0000

01-2119456619-26-0002

01-2119456619-26-0007

01-2119456619-26-0008

01-2119456619-26-0009

01-2119456619-26-0010

01-2119456619-26-0011

N° CE 500-033-5 / 500-108-2

N° CAS 25068-38-6 / 28064-14-4 Epoxy resin.

Professional use

Substances use according to REACH regulations

Identification use: professional and final uses of an article or a product, including mixtures, formulations and transfers of materials among different packings for wholesale or retail sell.

Product class: 2 – epoxy resin 100% solid content

Exposition scenery: production and application of coatings, paints, sealants and building materials.

Chemical product class: PC1 – adhesive sealants; PC9 – coatings and paints, fillers, pastes and diluents.

Sector use: SU 10 – chemical formulations and/or re-packaging.

Process/product class: PROC 3 – used in closed irregular processes (synthesis or formulation) Industrial application.

Environmental release class: ECR2 – preparations formulation; ECR3 – formulation in materials; mERC 1.1 – Environmental releases linked to substance production and use by whom has recorded them (supplier); mERC 1.2 – Environmental releases linked to substances use as reagent or mixture carried out by final user.

Safety Data Sheet by: Pava Resine laboratory

Interlocutor: Pava Resine laboratory Tel. +39 049/5953085 mail: info@pavaresine.it

Producer/supplier:

Pava Resine Srl. - Via Dolomiti, 6/1 - 35018 S. MARTINO DI LUPARI (PD) - Tel.: +39 (049) 5952123

Information by:

PAVA Resine Srl laboratory.

2 – Hazards identification

Hazard classification

Xi,N

Irritant



Hazard to the environment



Hazard indications for human and environment

R 36/38 Irritant for eyes and skin.

R 43 It can cause sensitization.

R 51/53 Toxic for aquatic organisms, it can cause long-term negative effects to the aquatic environment.

Classification system:

Classification according to CEE Normative, integrated also with information provided by the company

Substance or mixture classification according to EC 1272/2008 (CLP – Classification, Labeling and Packaging)

Risk class: Aquatic Chronic – Class 2 – risk code H411

Risk class: Skin sens. – Class 1 – risk code H317

Risk class: Skin Corr./Irrit. – Class 2 – risk code H315

Risk class: Eye Damn./Irrit. – Class 2 – risk code H319

Prudence advices:

P280: Wear gloves/protective clothes. Protect eyes and face.

P273: Avoid releases to the environment.

P303 + P361 + P353: IN CASE OF CONTACT WITH SKIN (or with hair): take off immediately all contaminated clothes. Wash skin/have a shower.

P305 + P351 + P338: IN CASE OF CONTACT WITH EYES: wash carefully for several minutes. Remove contact lenses if necessary. Continue to wash.

P391: Pick up poured-out material.

P501: Dispose product and packing in an allowed incinerator, or in another thermal destruction system.

Classification according to 67/548/EC (DSD)

This product is classified as a dangerous product according to 67/548/EEC and its amendments.

Unintended effects: it causes skin irritation, serious eyes irritation. It can cause an allergic skin reaction.

Toxic for aquatic organisms with long-term effects.

See section 16 for the full text with H statements and P phrases above mentioned.

Hazard identification: it causes skin irritation, serious eyes irritation. It can cause an allergic skin reaction.

Toxic for aquatic organisms with long-term effects.

Prudence advices:

Prevention: wear protective gloves. Protect eyes and face. Avoid release to the environment. Avoid breathing vapors.

Wash carefully after use. Contaminated clothes must not be brought out of work place.

Reaction: pick up poured-out material. IN CASE OF CONTACT WITH EYES: wash carefully for several minutes. Remove contact lenses if necessary. Continue to wash. If eyes irritation persists, consult a doctor.

IN CASE OF CONTACT WITH SKIN (or with hair): take off immediately contaminated clothes and wash them before to use another time. Wash abundantly with soap and water, have a shower. In case of skin irritation or eruption: see a doctor.

Disposal: pick up poured-out material. Dispose product and packing in an allowed incinerator, or in another thermal destruction system, according to any local, regional, national and international rules.

Other risks: Data show that substance property do not satisfy specific standard indicated in the attachment XIII and, consequently, that substance is not considered "persistent, bioaccumulative and toxic" (PBT), or "very persistent, very bioaccumulative (vPvB).

3 – Composition/ Information on ingredients

Chemical characteristics:

Contained substances are dangerous for health according to 1907/2006 (REACH) and 67/548/EEC and following amendments or for which there are recognized exposure limits.

CAS	Name	%	Symbol	Phrase R
25068-38-6	EPOXY RESIN (NUMBER AVERAGE MW<=700)	<15	Xi	R36/38, R43, R51/53
28064-14-4	EPOXY RESIN (NUMBER AVERAGE MW<=700)	<15	Xi	R36/38, R43, R51/53

Description:

Epoxy filled with sand quartz, solvent free product.

Epoxy resins (medium molecular weight ≤ 700)

REG/CAS/EC: 01-2119456619-26-0002 / 25068-38-6 / 500-033-5 / 28064-14-4 / 500-108-2

Risk class: Aquatic Chronic – Class 2 – risk code H411

Risk class: Skin sens – Class 1 – risk code H317

Risk class: Skin Corr./Irrit. – Class 2 – risk code H315

Risk class: Eye Damn./Irrit. – Class 2 – risk code H319

See section 16 for the full text with H statements and R phrases above mentioned.

4 – First Aid Measures:

General indications:

Poisoning symptoms for ingestion can arise after many hours, for this reason doctor monitoring after following 48 hours is necessary. Not give anything by mouth or induce vomiting if patient is unconscious or has convulsions.

Effects and most important symptoms, both acute and delayed

Overexposure signals/symptoms

Inhalation: Significant effects or critical hazards are not known. No specific data.

Ingestion: Significant effects or critical hazards are not known. No specific data.

Skin: Once sensitized, a several allergic reaction may occur, after a following exposition at very low levels. Negative symptoms can include: irritation, redness.

Eyes: Significant effects or critical hazards are not known. Negative symptoms can include: pain or irritation, tearing, redness.

Indication of immediate medical action and special treatment need

Note for doctor: no specific treatment. Treat symptomatically. In case of large quantities ingested or inhaled, contact immediately a poison center

First aiders protection: It should not to be done any actions that involve personal risk or without suitable training. Mouth-to-mouth can be dangerous to the person providing it. Wash carefully with water contaminated cloth before to remove it, or use gloves.

Inhalation:

Move patient to fresh air and see a doctor. If patient is unconscious turn head to the side during the carriage.

Contact with skin:

Wash immediately with soap and water, removing contaminated clothes.

Contact with eyes:

Wash with water for several minutes, holding eyelids well-opened, see a doctor.

Ingestion:

Administer active carbon suspended in water, or medical mineral vaseline oil. The decision to induce vomit or not should be made by a doctor.

5 – Fire Fighting Measures

Extinguishing means:

CO₂, powder or water spray. Extinguish large fire with alcohol resistant lather.

Extinguishing means that are unsuitable for security reasons:

none in particular.

Protective equipment:

Put on the respirator.

Hazards from combustion:

Combustion develops black smokes; do not breathe smoke, exposition to decomposition products can cause healthy damages.

Special activities for protection of fire prevention employees

Special precautions for fire-fighters: promptly isolate the area by removing all people in case of fire. It should not be done any actions which involve personal risk or without suitable training.

Special means for fire prevention employees: Emergency teams should wear protective equipment and self-contained breathing apparatus (SCBA) with protective screen on face operating at positive pressure.

6 – Accidental release measures

Personal measures:**Personal precautions, protection equipment and emergency procedures**

It should not to be done any actions that involve personal risk or without suitable training. Evacuate surrounding areas. Prevent the entrance of unrelated and unprotected staff. Do not touch or walk on spilled material.

Provide an adequate ventilation. Wear an appropriate breathing apparatus in case of inadequate ventilation. Wear appropriate protective equipment. Avoid breathing vapors or fog.

Environmental protective measures:

Environmental precautions: Avoid spilled material dispersion and flow and contact with soil, waterways, dumping and sewers.

Inform relevant authorities if the product has caused environmental pollution (sewers, waterways, earth or air). Water polluting material. It can be dangerous for the environment if released in large quantities.

Clean-up methods and absorption:**Methods and materials for containment and cleaning**

Small release: Remove packings from spill area. Eliminate through a contractor that is authorized in waste disposal.

Stop the leak if there are not risks. Dilute with water and absorb if it is water-soluble. Alternatively, or if it is water-insoluble, absorb with inert dry material and dispose in appropriate waste packing.

Large spill: Move packings from spill area. Approach to the emission source windward. Prevent the release into sewers, waterways, basements or delimited areas. Eliminate the release through the use of a contractor that is authorized in waste disposal.

Note: see section 1 for information about whom contact in case of emergency and section 13 for waste disposal.

Stop the leak if there are not risks. Wash spilled quantities in a drain treatment system or proceed as indicated here. Delimitate and pick up possible releases with absorbent non-combustible material, as sand, earth, vermiculite, diatomite and provide to the disposal of the product in a packing according to regulations (see section 13). An absorbent contaminated material can cause the same hazard of spilled product.

7 – Handling and Storage

Handling

Avoid contact with skin and eyes.

Precautions for a safe handling

Wear appropriate protection devices (see section 8). It is forbidden to eat, drink and smoke in the areas in which materials is manipulated, preserved or treated. People using the product must wash hands and face before to eat, drink and smoke. People with sensitization skin must not work in any process that need the use of this material. Avoid contact with eyes, skin or clothes. Do not ingest. Avoid breathing vapors or fog.

Avoid releases to the environment. Conserve in the original or in an alternative approved packing that is composed of a compatible material hold tightly closed when you do not use it. Empty packings hold remaining of product and they can be dangerous. Do not use another time the packing.

Indications for a safe handling:

During the laying good general ventilation in work places.

Indications in case of fire or explosion:

Hold apart from heat source, do not smoke.

Storage:

Keep in a fresh place.

Indications about mixed storage:

Not necessary.

Conditions for safe storage, including any incompatibilities.

Provide storage according to regulations. Keep in the original packing, protected from direct sunlight in a dry, fresh and well-ventilated area, far from other incompatibles materials (see section 10) and from food and drinks. Keep packing closed and sealed till use. Opened packings must be carefully sealed another time and kept upright to avoid accidental releases of the product. Do not keep in packings without label. Use adequate packings to avoid environment pollution.

Packing materials

Recommended: Use original packing.

Further indications on storage conditions:

Keep tightly closed packings. Keep in fresh and dry place in well closed barrel. Not hold the product under 5°C for more than one month.

Storage class:

Class VbF (ordinance on combustible substances): not necessary.

8 – Exposure supervision/personal protection

Further indications on the structure of technical installation:

Not established. No further data, see point 7.

Control parameters

Exposure limits

Ingredient name – Occupational exposure limits

Europe

No limit exposition value known

Sweden

No limit exposition value known

Denmark

No limit exposition value known

Norway

No limit exposition value known

France

No limit exposition value known

Netherlands

No limit exposition value known

Germany

No limit exposition value known

Finland

No limit exposition value known

Great Britain (GB)

No limit exposition value known

Austria

No limit exposition value known

Swiss

No limit exposition value known

Belgium

No limit exposition value known

Spain

No limit exposition value known

Turkey

No limit exposition value known

Czeck Republic

No limit exposition value known

Ireland

No limit exposition value known

Italy

No limit exposition value known

Estonia

No limit exposition value known

Lithuania

No limit exposition value known

Slovakia

No limit exposition value known

Hungary

No limit exposition value known

Poland

No limit exposition value known

Slovenia

No limit exposition value known

Latvia

No limit exposition value known

Greece

No limit exposition value known

Portugal
 No limit exposition value known
 Bulgaria
 No limit exposition value known
 Romania
 No limit exposition value known

Derived level without effect (DNEL) and expected concentrations with no effect (PNEC)

Explicative note: REACH requires to producers and importers to fix and indicate Derived Level with no effect (DNEL) for expected concentrations with no effect (PNEC) for the environment exposition. DNEL e PNEC are determined by whom makes the recording without an official advisory process, and they have not been conceived to be used directly to decide exposition limits of work place or general for population. They are primarily used as entry jobs during the performance of quantitative risk assessment models (as model ECETOC-TRA). Because of differences in contact methods, DNEL will tend to be lower (sometimes much) than other OEL on healthcare base for chemical substances.

Moreover, although DNEL (and PNEC) are indicators used to decide risk reduction measures, they have not the same officially approved norms of OEL.

DNEL

Epoxy resins (medium molecular weight ≤ 700)

CAS 25068-38-6

CAS 28064-14-4

Workers

Short term Dermal/Systemic	8.3 mg/kg bw/day
Short term Inhalation/Systemic	12.3 mg/m ³
Long term Dermal/Systemic	8.3 mg/kg bw/ day
Long term Inhalation/Systemic	12.3 mg/m ³

General

Short term Dermal/Systemic	3.6 mg/kg bw/ day
Short term Inhalation/Systemic	0.75 mg/m ³
Short term Oral/Systemic	0.75 mg/kg bw/ day
Long term Dermal/Systemic	3.6 mg/kg bw/ day
Long term Inhalation/Systemic	0.75 mg/m ³
Long term Oral/systemic	0.75 mg/kg bw/ day

PNEC

Epoxy resins (medium molecular weight ≤ 700)

CAS 25068-38-6

CAS 28064-14-4

Fresh water	3 µg/l
Marine	0.3 µg/l
Wastewater treatment plant	10 mg/l
Running water sediment	0.5 mg/kg dwt
Marine water sediment	0.5 mg/kg dwt
Sediment	0.5 mg/kg dwt
Continuous release	0.013 mg/l

NB. ABOVE INDICATED DATA REFER TO THE PURE PRODUCT AS INDICATED CAS NUMBERS; HOWEVER WE INFORM THAT, IN CASE OF SPECIFIC FORMULATIONS OF THIS SAFETY DATA SHEET, THESE VALUES MUST BE CONSIDERED PARTICULARLY RESTRICTIVE AS THE PRODUCT IS NOT IN THE “PURE” CONDITION BUT AT MAXIMUM 30% AS BINDING ELEMENT. FOR THIS REASON WE CAN SAY THAT BOTH EXPOSITIONS AND SHORT AND LONG TERM EFFECTS ARE LESS RESTRICTIVE.

Components limit values that must be taken under supervision in work places:

CAS Numbers	TWA		STEL		MAXIMUM LIMIT	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
25068-38-6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
28064-14-4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Further indications:

Good general ventilation in work places.

Individual protective means:

Wear protective equipment: mask (in places with poor ventilation), gloves and clothes.

General and workplace hygiene norms:

- Keep far from food, beverages and fodders.
- Remove contaminated clothes.
- Wash hands before the pause or at the end of the work.
- Avoid contact with eyes and skin

Protective mask:

Necessary in case of not sufficient ventilation.

Protective gloves:

Gloves that are protective to chemical products..

Protective glasses:

Protective glasses.

Protective clothes:

In synthetic or natural fiber for skin protection.

9 – Physical and chemical properties

Form:	Liquid.
Colour:	According to the product denomination
Smell:	Typical, lightly epoxy
pH:	n.a.
Status change:	n.a.
Melting temperature/melting range:	n.a.
Boiling temperature/boiling range	Decomposition before boiling
Flammability point:	About 300°C (Flammability: not flammable)
Self-flammability:	> 350°C
Explosion danger:	Product is not explosive.
Flammability limit:	n.a.
Steam tension (mm/Hg):	n.a.
Density (Air=1):	n.a.
Water soluble:	not mixable
Solvent way:	missing
Organic solvents:	missing
Partition coefficient: n-Octanol/water:	n.a.
Viscosity (CPS):	6-10 Pas
Relative density:	1.5 ± 5 according to the color and the product

10 – Stability and reactivity**Thermal decomposition:**

Product does not decompose if used according to norms.

Dangerous reactions:

Dangerous reactions are not known but it is better to avoid contact with oxidant agents, acids, amines and bases.

Dangerous decomposition products:

Dangerous decomposition products are not known.

Reactivity: Reacts with strong oxidant agents. It polymerizes, with exothermic reaction, in presence of Amines, Mercaptans and Lewis Acids, at environmental and superior temperature. It polymerizes in presence of caustic soda. It reacts exothermically with bases (for example caustic soda), ammonia, primary and secondary amines, alcohol, water and acids.

Chemical stability: The product is stable.

11 – Toxicological information**Toxicological information:**

Inhalation: no toxicity data relevant; important effects or critical hazards are not known.

LD/LC50 values found for the classification:

Components	Type	Kind
EPOXY RESIN (NUMBER AVERAGE MW <= 700)	Oral	>2.100mg/Kg. rat
	Dermal	>2.100mg/Kg. rbt
	Inhalation	n.a. mg/l/4h. rat

Primary irritation:

n.a.

On skin:

Irritant, in its liquid and not hardened state.

On eyes:

Irritant, in its liquid and not hardened state.

Sensitization

It can cause sensitization in case of contact with skin.

Further toxicological data:

The product, according to calculation method of EU legislation about formulations classification in its last version, has following risks: irritant (in liquid state).

NB. ABOVE INDICATED DATA REFER TO THE PURE PRODUCT AS INDICATED CAS NUMBERS; HOWEVER WE INFORM THAT, IN CASE OF SPECIFIC FORMULATIONS OF THIS SAFETY DATA SHEET, THESE VALUES MUST BE CONSIDERED PARTICULARLY RESTRICTIVE AS THE PRODUCT IS NOT IN THE "PURE" CONDITION BUT AT MAXIMUM 30% AS BINDING ELEMENT. FOR THIS REASON WE CAN SAY THAT BOTH EXPOSITIONS AND SHORT AND LONG TERM EFFECTS ARE LESS RESTRICTIVE.

12 – Ecological information**Further indications:**

Specific information on formulation are not available. For further information see specific indications in paragraph 3. Use the product respecting good work norms: avoid release to the environment of the product and contaminated tools.

Toxicity

Epoxy resins (medium molecular weight ≤ 700)

Acute and extended toxicity for fishes

LC50, Oncorhynchus mykiss (Iridea trout), Semi-static test, 96h : 2 mg/l

Acute toxicity for aquatic invertebrates

CE50, Daphnia magna (Big water flea), Static test, 48h, immobilization: 1,8 mg/l

Toxicity for aquatic plants

CE50r, Scenedesmus capricornutum (Freshwater seaweed), Static test, 48h, Growth rate inhibition, 72h : 11 mg/l

Toxicity for micro-organisms

CI50; Bacteria, 18h: > 4,6 mg/l

Chronic toxicity value for aquatic invertebrates

Water flea Daphnia magna, Semi-static test, 21 d, descending number, NOEC: 0,3 mg/l

Persistence and degradability

Epoxy resins (medium molecular weight ≤ 700)

The level of biodegradation in an "enhanced" OECD 301F study was 5% within the 28 day contact period. Biodegradation reached 6-12% after 28 days of contact in an OECD test guideline no. 301B study. Therefore, BADGE is not readily biodegradable under the conditions of the studies.

Bioaccumulation potential

Epoxy resins (medium molecular weight ≤ 700)

The OASIS CATALOGIC QSAR estimated Bioconcentration Factor of 3-31 and Lg Pow of 3.24 @ 25 C suggest low potential to bioaccumulate in aquatic organisms.

Soil mobility

Epoxy resins (medium molecular weight ≤ 700)

The KOCWIN QSAR estimated adsorption/desorption coefficient Log Koc = 2.65 suggesting moderated sorption to organic matter and limited soil mobility.

PBT and vPvB evaluation results

Epoxy resins (medium molecular weight ≤ 700)

Based upon a low potential to bioaccumulate and EC50/LC50 values of > 0.1 mg/L BADGE is not PBT.

Other harmful effects

Epoxy resins (medium molecular weight ≤ 700)

There are not side effects known.

13 – Disposal considerations

Product:

Remaining product and used packings must be disposed according to laws (local or national) of various countries. In its original status (liquid) must be considered as waste that must not be released in the environment; recover it if possible, otherwise send it to authorized disposal/incineration systems.

Suggestions:

Not disposed the product with domestic wastes. Do not input in the sewers.

Not clean packings:

See above

Suggestions:

Disposal according to administrative regulations. Metal packings that are properly cleaned can be disposed as normal scrap.

14 – Transport information

ROAD & RAILWAY (ADR/RID)

Exact name for shipment: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.A.S. (Epoxy resin)

Hazard class: 9 **Number UN:** UN3082 **Packaging group:** III

Classification: M6

N° of danger identification: 90

Danger to the environment: Yes

SEA TRANSPORT (IMO/IMDG)

Exact name for shipment: Environmentally hazardous substance, LIQUID, n.o.s. (Epoxy resin).

Hazard class: 9 **Number UN:** UN3082 **Packaging group:** III

Number EMS: F-A, S-F

Marine pollutant: Yes

AIR (ICAO-TI / IATA-DGR)

Exact name for shipment: Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin).

Hazard class: 9 **Number UN:** UN3082 **Packaging group:** III

Cargo packaging instructions: 964

Passengers packaging instructions: 964

Danger to the environment: Yes

INLAND SAILING WAYS (ICAO/IATA)

Exact name for shipment: Environmentally hazardous substance, LIQUID, N.A.S. (Epoxy resin)

Hazard class: 9 **Number UN:** UN3082 **Packaging group:** III

Classification: M6

N° of danger identification: 90

Danger to the environment: Yes

15 – Regulatory information

Classification according to EEC directives:

Product in its liquid form, not hardened, is classified and codified to the regulations EEC 88/379 (General Regulation on Formulations) and 67/548 (Regulation on Dangerous Substances) and to Regulation (EC) 1907/2006 (REACH).

Specific norms/laws for the substance or mixture about security, health and environment

UE Regulations

SEVESO 96/82/CE Regulation: Component name: epoxy resin (medium molecular weight ≤ 700) present: yes

REACH Annex XVII: Not in the list

Biocides – Attachment 98/8/CE Regulation: Not in the list

Upon informed approval. List of chemical products that are subject to international process PIC (Part I, II, III): None of the components are in the list.

IPPC List (integrated environmental authorization)- Air: Not in the list

IPPC List (integrated environmental authorization)- Water: Not in the list

National laws

Denmark: Code MAL: 00 – 5

Germany: Water risk class: WGK 2, Appendix n. 2

International regulations

Chemical inventories:

Status REACH Substances in this product have been pre-recorded and/or recorded or they do not have to be registered, in accordance with Regulation (EC) number 1907/2006 (REACH).

Inventory of Australia (AICS, Chemical substances list for Australia) – material is listed or exonerated.

Canadian inventory – material is listed or exonerated.

Japanese inventory – material is listed or exonerated.

Chinese inventory (chemical substances inventory for China) – material is listed or exonerated.

Korean inventory (DECI, chemical substances list) – material is listed or exonerated.

New zealander chemical substances inventory (NZIoC) – not determined.

Inventory of Philippines (PICCS chemical substances inventory for Philippines) – material is listed or exonerated.

Inventory of USA (TSCA, Toxic Substances Control Act, section 8b) – material is listed or exonerated.

Hazard label of product:

Xi,N Irritant – Dangerous to the environment

Hazardous components label:

EPOXY RESIN (NUMBER AVERAGE MW ≤ 700)

Nature of specific risks (Phrases R):

R 36/38 Irritant for eyes and skin.

R 43 It can cause sensitization for contact with skin.

R 51/53 Toxic for aquatic organisms, it can cause in the long term negative effects for the aquatic environment.

Prudence advices (Phrases S):

S 2 Keep out of children.

S 7 Keep well closed packings.

S 27 Take off immediately contaminated clothes.

S 26 In case of contact with eyes, wash immediately and abundantly with water and see a doctor

S 37/39 Use proper gloves and protect eyes/face.

S 46 In case of ingestion see immediately a doctor and show him the packing or the label.

S 61 Avoid release to the environment. Refer to special instructions contained in safety data sheet.

Classification of specific formulations:

It contains epoxy compounds. Follow producer indications.

National indications

Data and information which are in this safety data sheet are in accordance with Health Ministerial Decree of 28/1/92 and norm about classification, packaging and labeling of substances and dangerous formulations. However, we recommend to the user to verify and respect specific national regional and local norms about dangerous and environmentally friendly activities (eg. Liquid, solid and gas emissions). See D.P.R. 303/56, General norms for workplace hygiene, D.L.626/94 Prevention and Safety of work related injury and D.L. 133/92 Water Discharges.

This Safety Data Sheet has been filled according to European Directives and it is applied to the countries that have translated Directive in their own national legislation. Norm (EC) n. 1907/2006 of European Parliament and Council of 18th December 2006, concerning registration, evaluation, authorization and restriction of chemical substances (REACH), which institutes an European chemical substances Agency, modify directive 1999/45/EC and revoke Council Regulations (EEC) n. 793/93 and Commission regulations (EC) n. 1488/94, as well as 76/769/EEC Council directive and Commission 91/155/EEC, 96/67/EEC, 93/105/EC and 2000/21/EC directives.

Information in this document are valid at the moment of the print. The company has not the responsibility for possible damages caused by the use of the product in wrong applications and/or applications in conditions that are different from expected ones.

Classification according to Vbf:

Not necessary

Danger class for waters:

Danger for waters class 2 (WGK2) (Self classification).

16 - Other information

Other information

Information in this safety data sheet are considered correct and communicated in good faith. However, they do not imply any obligation, guarantee, freedom to use industrial properties or license concession. Characteristics that are mentioned in this document do not constitute contractual specifications.

Complete text of H shorten statements

H411 – toxic for aquatic organisms with long term effects

H317 – it can cause an allergic dermal reaction

H315 – it cause dermal irritation

H319 – it cause serious eye irritation

Complete text for classification, labeling and packaging (CLP/GHS)

CHRONIC DANGER Class 2 – H411

SENSITIZATION OF THE SKIN Class 1 – H317

CORROSION/IRRITATION OF THE SKIN Class 2 – H315

SERIOUS EYE WOUND/EYE IRRITATION Class 2 – H319

Complete text of R shorten phrases

R36/38 – Irritant for eyes and skin

R43 – It can cause sensitization for contact with skin

R51/53 – Toxic for aquatic organisms, it can cause in long term negative effects to aquatic environment.

Complete text of classifications (DSD/DPD)

Xi: irritant

N: Dangerous to the environment.

Safety data Sheet by

PAVA Resine laboratory.

Interlocutor

PAVA Resine laboratory.

Interlocutor: Pava Resine laboratory Tel. +39 049/5953085 mail: info@pavaresine.it

Note for reader

Information in this safety data sheet have been considered valid by Pava Resine at the moment of preparation or they have been prepared basing on sources considered to be reliable, but user has to investigate and understand other sources of information, follow all laws and procedures about safe handling and use of the product and to define suitability of the product for the expected use. All Pava Resine products are subjected to sell terms and conditions of Pava Resine. PAVA RESINE DO NOT ISSUE ANY WARRANTIES, EXPLICIT OR IMPLICIT, CONCERNING THE PRODUCT OR ITS MERCHANTABILITY OR SUITABILITY FOR ANY PURPOSE OR CONCERNING ACCURACY OF ANY INFORMATION PROVIDED BY PAVA RESINE, except that product consists with specifications. None information in this document represents a sell offer of products. User has to ensure that his activities respect all national and local norms. Since using product conditions cannot be regulated by producer, user has to define conditions that are necessary to use this product safely.