SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : C-MIX PLUS 380 RESINE/RESIN
UFI : R500-E085-V00T-GU4H

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

Chemical fixing.

1.3. Details of the supplier of the safety data sheet

Registered company name : SPIT
Address : 150, avenue de Lyon 26500 BOURG-LES VALENCES France
Telephone : 0 810 102 102. Fax: 0 810 432 432. Telex: .
Email: msds-reach@spit.com
http://spit.fr

1.4. Emergency telephone number : +33(0) 1 45 42 59 59.

Association/Organisation : INRS / ORFILA http://www.centres-antipoison.net.

Other emergency numbers

National Poisons Information Service of England: http://npis.org - NHS 111: dial 111 - National Poisons Information Centre of Ireland: 353 (1) 809 2166 - European Emergency Number Association (EENA) : 112

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Flammable liquid, Category 3 (Flam. Liq. 3, H226).
Skin irritation, Category 2 (Skin Irrit. 2, H315).
Eye irritation, Category 2 (Eye Irrit. 2, H319).
May produce an allergic reaction (EUH208).
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :

GHS02 GHS07

Signal Word :
WARNING
Additional labeling :

EUH208	Contains REACTION MASS OF 2,2'-[(4-METHYLPHENYL)IMINO]BISETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4-METHYLPHENYL)AMINO]-. May produce an allergic reaction.
EUH208	Contains 2,2'-(M-TOLYLIMINO)DIETHANOL. May produce an allergic reaction.

Hazard statements :

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary statements - Prevention :

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary statements - Storage :

P403 + P235	Store in a well-ventilated place. Keep cool.

Precautionary statements - Disposal :

P501	Dispose of contents/container at a disposal facility in accordance with local regulations.

2.3. Other hazards

In the event of dust formed by mechanical action (sanding, sawing, etc..), this dust may cause irritation by inhalation and contact with eyes.
The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 59 of REACH: http://echa.europa.eu/fr/candidate-list-table
The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.
The mixture does not contain substances> = 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	Classification (EC) 1272/2008	Note	%
CAS: 14808-60-7 EC: 238-878-4 QUARTZ (SIO2)		[i]	25 <= x % < 50
CAS: 25013-15-4 EC: 246-562-2 REACH: 01-21196222074-50 VINYLTOLUENE	GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	[i]	10 <= x % < 25
CAS: 1317-65-3 EC: 215-279-6 CALCIUM CARBONATE		[i]	10 <= x % < 25
CAS: 7631-86-9 EC: 231-545-4 REACH: 01-2119379499-16 SILICON DIOXIDE		[i]	1 <= x % < 2.5
CAS: 13463-67-7 EC: 236-675-5 REACH: 01-2119489379-17 TITANIUM DIOXIDE		[i]	1 <= x % < 2.5
CAS: 107-21-1 EC: 203-473-3 REACH: 01-2119456816-28 ETHANEDIOL	GHS07, GHS08 Wng Acute Tox. 4, H302 STOT RE 2, H373	[i]	0.1 <= x % < 1
CAS: 14808-60-7 EC: 238-878-4	GHS08 Dgr STOT RE 1, H372	[i]	0.1 <= x % < 1

QUARTZ (SIO2) - ALVEOLAIRE			
EC: 911-490-9 REACH: 01-2119979579-10 REACTION MASS OF 2,2'-[(4-METHYLPHENYL)IMINO]BIS ETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4 -METHYLPHENYL)AMINO]-	GHS07, GHS05 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Chronic 3, H412		0.1 <= x % < 1
CAS: 91-99-6 EC: 202-114-8 2,2'-(M-TOLYLIMINO)DIETHANOL	GHS06, GHS05, GHS08 Dgr Acute Tox. 2, H300 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam. 1, H318 STOT RE 2, H373		0.1 <= x % < 1

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 25013-15-4 EC: 246-562-2 REACH: 01-21196222074-50 VINYLTOLUENE		dermal: ATE = 4585 mg/kg BW oral: ATE = 3375 mg/kg BW
CAS: 1317-65-3 EC: 215-279-6 CALCIUM CARBONATE		oral: ATE = 6450 mg/kg BW
CAS: 107-21-1 EC: 203-473-3 REACH: 01-2119456816-28 ETHANEDIOL		dermal: ATE = 3500 mg/kg BW oral: ATE = 1600 mg/kg BW
EC: 911-490-9 REACH: 01-2119979579-10 REACTION MASS OF 2,2'-[(4-METHYLPHENYL)IMINO]BIS ETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4 -METHYLPHENYL)AMINO]-		oral: ATE = 619 mg/kg BW
CAS: 91-99-6 EC: 202-114-8 2,2'-(M-TOLYLIMINO)DIETHANOL		oral: ATE = 50 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)

[i] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

In the event of exposure by inhalation :

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated aera is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.
Keep the person exposed at rest. Do not force vomiting.
Seek medical attention immediately, showing the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.
Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages cool when in the vicinity of flames.

Suitable methods of extinction

In the event of a fire, use :
- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO_2)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed :
- carbon monoxide (CO)
- carbon dioxide (CO_2)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.
Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged: always ground when decanting. Wear antistatic shoes and clothing and make floors of non-conductive

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid skin and eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
107-21-1	52	20	104	40	Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	0.05 mg/m3	-	-	-	R
25013-15-4	50 ppm	100 ppm		A4	
13463-67-7	10 mg/m3			A4	
107-21-1	-	-	100	-	-
14808-60-7	0.05 mg/m3	-	-	-	R

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
25013-15-4		20 ppm 98 mg/m3		2(I)
7631-86-9		4E mg/m3		
107-21-1		10 ppm 26 mg/m3		2(I)

- Australia (NOHSC: 3008, 1995) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	0.1 mg/m3				
25013-15-4	50 ppm 242 mg/m3	100 ppm 483 mg/m3		H	
1317-65-3	10 mg/m3			H	
7631-86-9	2 mg/m3			A	
13463-67-7	10 mg/m3			H	
107-21-1	10 mg/m3	-	-	-	-
14808-60-7	0.1 mg/m3				

- Austria (BGBl. II Nr. 156/2021) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	0.05 A mg/m3				
25013-15-4	100 ppm 480 mg/m3	100 ppm 480 mg/m3			
13463-67-7	5A mg/m3	10A mg/m3			
107-21-1	10 ppm 26 mg/m3	20 ppm 52 mg/m3			
14808-60-7	0.05 A mg/m3				

- Belgium (Royal decree of 11/05/2021) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	0.1 mg/m3			C	
25013-15-4	50 ppm 246 mg/m3	100 ppm 490 mg/m3			
1317-65-3	10 mg/m3				
13463-67-7	10 mg/m3				
107-21-1	-	-	101	-	-
14808-60-7	0.1 mg/m3			C	

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
14808-60-7		0.1			VLRC	25
25013-15-4	50	240				
1317-65-3	-	10	-	-	-	-
13463-67-7		10				
107-21-1	20	52	40	104	*	84
14808-60-7		0.1			VLRC	25

-

- Switzerland (Suva 2021) :

CAS	VME	VLE	Valeur plafond	Notations		
14808-60-7	0.15 mg/m3			C1ASSCP		
25013-15-4	35 ppm 172 mg/m3	100 ppm 490 mg/m3				
1317-65-3	3 a	-	-	-	-	-
7631-86-9	4 mg/m3			SSC		
13463-67-7	3 mg/m3			SSC		
107-21-1	10 ppm 26 mg/m3	20 ppm 52 mg/m3		RSSC		
14808-60-7	0.15 mg/m3			C1ASSCP		

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	0.3 mg/m3	-	-	-	R
1317-65-3	4 mg/m3				
13463-67-7	4 mg/m3				
107-21-1	20 ppm 52 mg/m3	40 ppm 104 mg/m3		Sk	
14808-60-7	0.3 mg/m3	-	-	-	R

- USA / OSHA PEL (Occupational Safety and Health Administration, Permissible Exposure Limits) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
14808-60-7	-	-	-	-	T
25013-15-4	100 ppm 480 mg/m3				
1317-65-3	15 mg/m3				
13463-67-7	15 mg/m3				
14808-60-7	-	-	-	-	T

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes
Before handling, wear safety goggles with protective sides accordance with standard EN166.
In the event of high danger, protect the face with a face shield.
Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.
Prescription glasses are not considered as protection.
Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Type of gloves recommended :
- PVA (Polyvinyl alcohol)

- Body protection

Avoid skin contact.
Wear suitable protective clothing.
Suitable type of protective clothing :
In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.
Wear protective clothing against solid chemicals and particles suspended in the air (type 5) in accordance with standard EN13982-1/A1 to prevent skin contact.
In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.
Work clothing worn by personnel shall be laundered regularly.
After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid inhaling dust.
Type of FFP mask :
Wear a disposable half-mask dust filter in accordance with standard EN149/A1.
Category :
- FFP1
Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :
- A1 (Brown)

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state :	Viscous liquid.

Colour

Colour:	Not stated.

Odour

Odour threshold :	Not stated.

Freezing point

Freezing point / Freezing range :	Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range :	Not relevant.

Flammability

Flammability (solid, gas) :	Not stated.
Lower and upper explosion limit	
Explosive properties, lower explosivity limit (%) :	Not stated.
Explosive properties, upper explosivity limit (%) :	Not stated.
Flash point	
Flash Point Interval :	23°C <= FP <= 55°C
Auto-ignition temperature	
Self-ignition temperature :	Not relevant.
Decomposition temperature	
Decomposition point/decomposition range :	Not relevant.
pH	
pH (aqueous solution) :	Not stated.
pH :	Not relevant.
Kinematic viscosity	
Viscosity :	Not stated.
Solubility	
Water solubility :	Insoluble.
Fat solubility :	Not stated.
Partition coefficient n-octanol/water (log value)	
Partition coefficient: n-octanol/water :	Not stated.
Vapour pressure	
Vapour pressure (50°C) :	Below 110 kPa (1.10 bar).
Density and/or relative density	
Density :	> 1
Relative vapour density	
Vapour density :	Not stated.

Particle characteristics

The mixture does not contain nanoforms.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces
- formation of dusts

10.5. Incompatible materials

Keep away from :

- oxidising agents
- strong acids
- peroxides

10.6. Hazardous decomposition products

The thermal decomposition may release/form :
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.
Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.
May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.
Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.
Splashes in the eyes may cause irritation and reversible damage
In the event of dust formed by mechanical action (sanding, sawing, etc..), this dust may cause irritation by inhalation and contact with eyes.

11.1.1. Substances

Acute toxicity :

2,2'-(M-TOLYLIMINO)DIETHANOL (CAS: 91-99-6)

Oral route :	LD50 = 50 mg/kg bodyweight/day Species : Rat

REACTION MASS OF 2,2'-[(4-METHYLPHENYL)IMINO]BISETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4-METHYLPHENYL)AMINO

Oral route :	LD50 = 619 mg/kg bodyweight/day Species : Rat
Dermal route :	2,000 < LD50 <= 5000 mg/kg Species : Rat

ETHANEDIOL (CAS: 107-21-1)

Oral route :	LD50 = 1600 mg/kg bodyweight/day
Dermal route :	LD50 = 3500 mg/kg bodyweight/day Species : Mouse
Inhalation route (Dusts/mist) :	LC50 > 2.5 mg/l Species : Rat Duration of exposure : 4 h

TITANIUM DIOXIDE (CAS: 13463-67-7)

Oral route :	LD50 > 5000 mg/kg Species : Rat OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)
Dermal route :	LD50 > 5000 mg/kg Species : Rabbit
Inhalation route (Dusts/mist) :	LC50 > 6.8 mg/l Species : Rat

CALCIUM CARBONATE (CAS: 1317-65-3)

Oral route :	LD50 = 6450 mg/kg bodyweight/day Species : Rat

VINYLTOLUENE (CAS: 25013-15-4)

Oral route :	LD50 = 3375 mg/kg bodyweight/day Species : Rat
Dermal route :	LD50 = 4585 mg/kg bodyweight/day Species : Rabbit

11.1.2. Mixture

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

11.2. Information on other hazards

Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with effects on human health.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 14808-60-7 : IARC Group 1 : The agent is carcinogenic to humans.
CAS 13463-67-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.
CAS 7631-86-9 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
CAS 25013-15-4 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
CAS 14808-60-7 : IARC Group 1 : The agent is carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

ETHANEDIOL (CAS: 107-21-1)

Fish toxicity :	LC50 = 72860 mg/l Species : Pimephales promelas Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 100 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	ECr50 >= 6500 mg/l Duration of exposure : 72 h

TITANIUM DIOXIDE (CAS: 13463-67-7)

Fish toxicity :	LC50 > 100 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 > 100 mg/l Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Algae toxicity :	ECr50 = 16 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h

CALCIUM CARBONATE (CAS: 1317-65-3)

Fish toxicity :	LC50 = 10000 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 1000 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	ECr50 > 200 mg/l Species : Desmodesmus subspicatus Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

REACTION MASS OF 2,2'-[(4-METHYLPHENYL)IMINO]BISETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4-METHYLPHENYL)AMINO
Biodegradability : Non-rapidly degradable.

ETHANEDIOL (CAS: 107-21-1)
Biodegradability : Rapidly degradable.
BOD5/COD = 0.9

VINYLTOLUENE (CAS: 25013-15-4)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

12.3.1. Substances

REACTION MASS OF 2,2'-[(4-METHYLPHENYL)IMINO]BISETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4-METHYLPHENYL)AMINO
Octanol/water partition coefficient : log Koe = 2.17

ETHANEDIOL (CAS: 107-21-1)
Octanol/water partition coefficient : log Koe = -1.36

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with environmental effects.

12.7. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 2 : Hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2023 - IMDG 2022 [41-22] - ICAO/IATA 2024 [65]).

14.1. UN number or ID number

3269

14.2. UN proper shipping name

UN3269=POLYESTER RESIN KIT, liquid base material

14.3. Transport hazard class(es)

- Classification :

3

14.4. Packing group

III

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F3	III	3	-	5 L	236 340	E0	3	E

*If Q <450l, see 2.2.3.1.5.1.

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	3	-	III	5 L	F-E. S-D	236 340	See SP340	Category A	-

*if Q < 450 l see IMDG 2.3.2.5.

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	370	10 kg	370	10 kg	A66 A163	E0
	3	-	III	Y370	5 kg	-	-	A66 A163	E0

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15 : REGULATORY INFORMATION

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

Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2024/197. (ATP 21)

Container information:

No data available.

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): https://echa.europa.eu/substances-restricted-under-reach.

Explosives precursors :

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

Particular provisions :

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 2 : Hazardous for water.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H226	Flammable liquid and vapour.
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

H372	Causes damage to organs through prolonged or repeated exposure .
H373	May cause damage to organs through prolonged or repeated exposure .
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.
LC50 : The concentration of a test substance resulting in 50% lethality in a given period.
EC50 : The effective concentration of substance that causes 50% of the maximum response.
ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.
REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
ATE : Acute Toxicity Estimate
BW : Body Weight
UFI : Unique formulation identifier.
STEL : Short-term exposure limit
TWA : Time Weighted Averages
TMP : French Occupational Illness table
TLV : Threshold Limit Value (exposure)
AEV : Average Exposure Value.
VLRI : Indicative limit value
VLRC : Indicative constraint value
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefahrdungsklasse (Water Hazard Class).
GHS02 : Flame
GHS07 : Exclamation mark
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.