

INXFLEX UV EURO REFLEX BLUE - 101537814

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

1.1. Product identifier

Product name : INXFLEX UV EURO REFLEX BLUE

Product code : 101537814.

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

Ink, coating or additive for printing application. It is not suitable for any other industrial usage.

1.3. Details of the supplier of the safety data sheet

Registered company name : INX International France.

Address : 44, avenue de la Commune de Paris .91220 .Brétigny sur Orge .France.

Telephone : +33 1 60 84 27 27. Fax : +33 1 60 84 84 13.

info@inxintl.fr

www.inxinternational.com/fr

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

Association/Organisation : I.N.R.S. - ORFILA - <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

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

Hazard pictograms :



GHS05



GHS07



GHS09

Signal Word :

DANGER

Product identifiers :

EC 260-754-3

EC 239-701-3

EC 246-386-6

015-189-00-5

EC 629-850-6

DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA)

MODIFIED POLYETHER ACRYLATE

POLYESTER ACRYLATE

TRIMETHYLOLPROPANE TRIACRYLATE

2,2-DIMETHOXY-2-PHENYLACETOPHENONE

PHENYL BIS(2,4,6-TRIMETHYLBENZOYL)-PHOSPHINE OXIDE

2-PROPENOIC ACID REACTION PRODUCTS WITH PENTAERYTHRITOL

Hazard statements :

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H318

Causes serious eye damage.

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H411	Toxic to aquatic life with long lasting effects.
Precautionary statements - Prevention :	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response :	
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.
P310	Immediately call a POISON CENTER/doctor/...
P321	Specific treatment (see ... on this label).
P362 + P364	Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 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.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 57472-68-1 EC: 260-754-3 REACH: 01-2119484629-21-0006 DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA)	GHS07, GHS05 Dgr Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318		25 \leq x % < 50
MODIFIED POLYETHER ACRYLATE	GHS07 Wng Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Irrit. 2, H319		10 \leq x % < 25
POLYESTER ACRYLATE	GHS07 Wng Acute Tox. 4, H312 Skin Sens. 1, H317 Eye Irrit. 2, H319		10 \leq x % < 25
CAS: 15625-89-5 EC: 239-701-3 REACH: 01-2119489896-11 TRIMETHYLOLPROPANE TRIACRYLATE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		2.5 \leq x % < 10
CAS: 358642-08-7 OLIGOMER POLYESTER ACRYLATE	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319		2.5 \leq x % < 10
CAS: 24650-42-8 EC: 246-386-6 2,2-DIMETHOXY-2-PHENYLACETOPHENONE	GHS09, GHS07 Wng Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		1 \leq x % < 2.5

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INDEX: 015-189-00-5 CAS: 162881-26-7 EC: 423-340-5 REACH: 01-2119886680-27-XXXX PHENYL BIS(2,4,6-TRIMETHYLBENZOYL)-PHOSPHIN E OXIDE	GHS07 Wng Skin Sens. 1, H317 Aquatic Chronic 4, H413		1 <= x % < 2.5
CAS: 90-93-7 EC: 202-025-4 4,4'-BIS(DIÉTHYLAMINO)BENZOPHÉNONE	GHS07, GHS09 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 M Acute = 1		1 <= x % < 2.5
CAS: 7473-98-5 EC: 231-272-0 REACH: 01-2119472306-39-0000 2-HYDROXY-2-METHYLPROPIOPHENONE	GHS07 Wng Acute Tox. 4, H302 Aquatic Chronic 3, H412		1 <= x % < 2.5
CAS: 71868-15-0 EC: 472-110-0 REACH: 01-0000019786-55-XXXX 2-HYDROXY-1-[4-(4-(2-HYDROXY-2-METHY LPROPIONYL)PHENOXY)PHENYL]-2-METH YL PROPAN-1-ONE	GHS09 Aquatic Chronic 2, H411		1 <= x % < 2.5
CAS: 1245638-61-2 EC: 629-850-6 REACH: 01-2119490003-49 2-PROPENOIC ACID REACTION PRODUCTS WITH PENTAERYTHRITOL	GHS07, GHS05, GHS09 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Chronic 2, H411		0 <= x % < 1

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

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 splashes or contact with eyes :

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

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

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 area 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.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

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 (CO₂)

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

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.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

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 eye contact with this mixture at all times.

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.

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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

No data available.

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

2-HYDROXY-2-METHYLPROPIOPHENONE (CAS: 7473-98-5)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
1.25 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Short term systemic effects.
3.5 mg of substance/m3

PHENYL BIS(2,4,6-TRIMETHYLBENZOYL)-PHOSPHINE OXIDE (CAS: 162881-26-7)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Inhalation.
Long term systemic effects.
7.8 mg of substance/m3

TRIMETHYLOLPROPANE TRIACRYLATE (CAS: 15625-89-5)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
0.8 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
16.2 mg of substance/m3

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Ingestion.
Long term systemic effects.
1.39 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Dermal contact.
Long term systemic effects.
0.48 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
4.9 mg of substance/m3

DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA) (CAS: 57472-68-1)

Final use:

Exposure method:
Potential health effects:

Workers.

Dermal contact.
Long term systemic effects.

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DNEL : 2.77 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 24.48 mg of substance/m3

Final use:

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 2.08 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 1.66 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 7.24 mg of substance/m3

Predicted no effect concentration (PNEC):

2-HYDROXY-2-METHYLPROPIOPHENONE (CAS: 7473-98-5)

Environmental compartment: Soil.
PNEC : 0.000674 mg/l

Environmental compartment: Fresh water.
PNEC : 0.00195 mg/l

Environmental compartment: Sea water.
PNEC : 0.000195 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 0.0195 mg/l

Environmental compartment: Fresh water sediment.
PNEC : 0.00514 mg/kg

Environmental compartment: Marine sediment.
PNEC : 0.000514 mg/kg

Environmental compartment: Waste water treatment plant.
PNEC : 45

TRIMETHYLOLPROPANE TRIACRYLATE (CAS: 15625-89-5)

Environmental compartment: Soil.
PNEC : 0.0043 mg/kg

Environmental compartment: Fresh water.
PNEC : 0.00147 mg/l

Environmental compartment: Sea water.
PNEC : 0.000147 mg/l

Environmental compartment: Fresh water sediment.

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PNEC :	0.0062 mg/kg
Environmental compartment: PNEC :	Marine sediment. 0.00062 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 6.25 mg/l

DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA) (CAS: 57472-68-1)

Environmental compartment: PNEC :	Soil. 0.0013 mg/kg
Environmental compartment: PNEC :	Fresh water. 0.0034 mg/l
Environmental compartment: PNEC :	Sea water. 0.00034 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 0.034 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 0.00884 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 100 mg/l

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.

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 EN374.

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.

Recommended properties :

- Impervious gloves in accordance with standard EN374

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- 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 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 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.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : Viscous liquid.

Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	Not specified.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Below 110 kPa (1.10 bar).
Density :	1.1 - 1.2
Water solubility :	Insoluble.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.

9.2. Other information

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

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

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SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

May cause an allergic reaction by skin contact.

11.1.1. Substances

Acute toxicity :

2-HYDROXY-1-[4-(4-(2-HYDROXY-2-METHYLPROPIONYL)PHENOXY)PHENYL]-2-METHYL PROPAN-1-ONE
(CAS: 71868-15-0)

Oral route : LD50 > 2000 mg/kg
Species : Rat

Dermal route : LD50 > 2000 mg/kg
Species : Rat

2-HYDROXY-2-METHYLPROPIOPHENONE (CAS: 7473-98-5)

Oral route : LD50 = 1694 mg/kg
Species : Rat

Dermal route : LD50 = 6929 mg/kg
Species : Rat

MODIFIED POLYETHER ACRYLATE

Oral route : LD50 = 2000 mg/kg
Species : Rat

DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA) (CAS: 57472-68-1)

Oral route : LD50 = 3530 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 2000 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/skin irritation :

2-HYDROXY-1-[4-(4-(2-HYDROXY-2-METHYLPROPIONYL)PHENOXY)PHENYL]-2-METHYL PROPAN-1-ONE
(CAS: 71868-15-0)

Irritation : Average score = 0
Species : Rabbit

DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA) (CAS: 57472-68-1)

Species : Rabbit
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Germ cell mutagenicity :

DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA) (CAS: 57472-68-1)

No mutagenic effect.

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Mutagenesis (in vivo) :	Negative. Species : Mouse OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Mutagenesis (in vitro) :	Negative. Species : Mammalian Cell Line OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Ames test (in vitro) :	Negative.

Specific target organ systemic toxicity - repeated exposure :

DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA) (CAS: 57472-68-1)	
Oral route :	C = 250 mg/kg bodyweight/day Species : Rat Duration of exposure : 28 days OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Dermal route :	C = 66.66 mg/kg bodyweight/day Species : Rat Duration of exposure : 90 days

11.1.2. Mixture

No toxicological data available for the mixture.

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

CAS 15625-89-5 : IARC Group 2B : The agent is possibly carcinogenic to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.1.1. Substances

2-HYDROXY-1-[4-(4-(2-HYDROXY-2-METHYLPROPIONYL)PHENOXY)PHENYL]-2-METHYL PROPAN-1-ONE
(CAS: 71868-15-0)

Fish toxicity :	LC50 = 2.93 mg/l Species : Brachydanio rerio Duration of exposure : 96 h
Crustacean toxicity :	EC50 = 15.85 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	ECr50 = 1 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h

2-HYDROXY-2-METHYLPROPIOPHENONE (CAS: 7473-98-5)

Fish toxicity :	LC50 = 160 mg/l Species : Leuciscus idus Duration of exposure : 48 h
Crustacean toxicity :	EC50 > 119 mg/l Species : Daphnia magna

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	Duration of exposure : 48 h
Algae toxicity :	ECr50 = 1.95 mg/l Species : <i>Desmodesmus subspicatus</i> Duration of exposure : 72 h
4,4'-BIS(DIÉTHYLAMINO)BENZOPHÉNONE (CAS: 90-93-7)	
Fish toxicity :	0.1 < LC50 <= 1 mg/l Factor M = 1 Duration of exposure : 96 h
2,2-DIMETHOXY-2-PHENYLACETOPHENONE (CAS: 24650-42-8)	
Fish toxicity :	LC50 = 6 mg/l Duration of exposure : 96 h
Crustacean toxicity :	EC50 = 26 mg/l Species : <i>Daphnia magna</i> Duration of exposure : 48 h
Algae toxicity :	ECr50 = 0.17 mg/l Duration of exposure : 72 h
DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA) (CAS: 57472-68-1)	
Fish toxicity :	LC50 = 2.2 mg/l Species : <i>Leuciscus idus</i> Duration of exposure : 96 h Other guideline
Crustacean toxicity :	EC50 = 22.3 mg/l Species : <i>Daphnia magna</i> Duration of exposure : 48 h REACH Method C.2 (Acute Toxicity for <i>Daphnia</i>)
Algae toxicity :	ECr50 = 16.7 mg/l Species : <i>Desmodesmus subspicatus</i> Duration of exposure : 72 h Other guideline
	EC10 mg/l Species : <i>Desmodesmus subspicatus</i> 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

2-HYDROXY-1-[4-(4-(2-HYDROXY-2-METHYLPROPIONYL)PHENOXY)PHENYL]-2-METHYL PROPAN-1-ONE
(CAS: 71868-15-0)

Biodegradability : Non-rapidly degradable.

2-HYDROXY-2-METHYLPROPIOPHENONE (CAS: 7473-98-5)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

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4,4'-BIS(DIÉTHYLAMINO)BENZOPHÉNONE (CAS: 90-93-7)

Biodegradability : Rapidly degradable.

2,2-DIMETHOXY-2-PHENYLACETOPHENONE (CAS: 24650-42-8)

Biodegradability : Rapidly degradable.

DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA) (CAS: 57472-68-1)

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

2-HYDROXY-1-[4-(4-(2-HYDROXY-2-METHYLPROPIONYL)PHENOXY)PHENYL]-2-METHYL PROPAN-1-ONE
(CAS: 71868-15-0)

Octanol/water partition coefficient : log K_{ow} = 3.27

2-HYDROXY-2-METHYLPROPIOPHENONE (CAS: 7473-98-5)

Octanol/water partition coefficient : log K_{ow} = 1.62

2,2-DIMETHOXY-2-PHENYLACETOPHENONE (CAS: 24650-42-8)

Octanol/water partition coefficient : log K_{ow} = 3.42

DIACRYLATE DE DIPROPYLENEGLYCOL (DPGDA) (CAS: 57472-68-1)

Octanol/water partition coefficient : log K_{ow} = 0.01

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

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, preferably 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 2017 - IMDG 2016 - ICAO/IATA 2017).

14.1. UN number

3082

14.2. UN proper shipping name

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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14.3. Transport hazard class(es)

- Classification :



9

14.4. Packing group

III

14.5. Environmental hazards

- Environmentally hazardous material :



14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 375 601	E1	3	-

Not subject to this regulation if Q ≤ 5 l / 5 kg (ADR 3.3.1 - DS 375)

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	9	-	III	5 L	F-A,S-F	274 335 969	E1

Not subject to this regulation if Q ≤ 5 l / 5 kg (IMDG 3.3.1 - 2.10.2.7)

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	9	-	III	964	450 L	964	450 L	A97 A158 A197	E1
	9	-	III	Y964	30 kg G	-	-	A97 A158 A197	E1

Not subject to this regulation if Q ≤ 5 l / 5 kg (IATA 4.4.4 - DS A197)

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. Transport in bulk according to Annex II of Marpol and the IBC Code

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. 2018/1480 (ATP 13)

- Container information:

No data available.

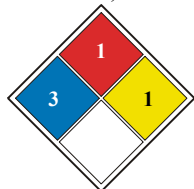
- Particular provisions :

No data available.

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- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=3 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



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 :

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Abbreviations :

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

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 : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

GHS07 : Exclamation mark

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.