

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 1 from 14
Print date: 12-7-2024

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

1.1 Product identification:

Product name: EC 141 NF
UFI-code: 4200-UOCW-500A-Q9Q5

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

Usage: Electrical insulation.
Recommended limitations for use: For industrial and professional use only.

1.3 Details of the supplier of the safety data sheet:

Responsible distributor : ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency phone number:

For Belgium: Call the **Poison Control Centre (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.
NHS 24 Direct For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to directive (EC) No 1272/2008 and its amendments.

The product is classified according to current legislation.

Classification in accordance with Regulation (EC) No 1272/2008 as amended.

Health hazards

Skin corrosion/irritation, Category 2 - H315: Causes skin irritation.
Serious eye damage, Category 1 - H318: Causes serious eye damage.
Skin sensitisation, Category 1 - H317: May cause an allergic skin reaction.
Reproductive toxicity, Category 1B - H360F: May impair fertility.
(Chronic) Aquatic long-term hazard, Category 2 - H411: Toxic to aquatic organisms with long-lasting effects.
For the full text of H phrases referred to in this section, see section 16.

2.2 Labelling elements:

Labelling according to regulation (EC) No 1272/2008 [CLP/GHS]:



Hazard pictograms:

Signal word

Danger.

Hazardous ingredients to be declared on the label:

- bis-[4-(2,3-epoxypropoxy)phenyl]propane
- oxirane, mono[(C12-14-alkyloxy)methyl] derivatives
- 1,4-bis(2,3-epoxypropoxy)butane
- Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidylsebacate

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 2 from 14
Print date: 12-7-2024

Hazard statements:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H360F May impair fertility.
H411 Toxic to aquatic organisms with long-lasting effects.

Precautions

Prevention:

P201 Before using, refer to the special instructions.
P273 Avoid discharge into the environment.
P280 Wear protective gloves/eye protection/face protection.

Action:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses, if possible; continue rinsing. Immediately consult a POISON CENTER/doctor.
P308 + P313 AFTER (possible) exposure: consult a doctor.
P391 Clean up any leaks/spills.

Additional labelling:

EUH205 Contains epoxy compounds. May cause an allergic reaction.

2.3 Other hazards:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Toxicological information:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Description:

Chemical characterisation : Modified epoxy resin

Chemical Name	CAS No. EC No. Index no. Registration number	Classification (Regulation (EC) No 1272/008)	Concentration (%)
bis-[4-(2,3-epoxypropoxy)phenyl]propane	1675-54-3 216-823-5 603-073-00-2 01-2119456619-26	Eye Irrit.2; H319 Skin Irrit.2; H315 Skin Sens.1; H317 Aquatic Chronic2; H411 specific concentration limits Eye Irrit. 2; H319 >= 5 % Skin Irrit. 2; H315 >= 5 %	>= 50 - <= 100
oxirane, mono[(C12-14-alkoxy)methyl]derivatives	68609-97-2 271-846-8 603-103-00-4 01-2119485289-22	Skin Irrit.2; H315 Skin Sens.1; H317 Repr. 1B; H360F	>= 10 - < 12,5
1,4-bis(2,3-epoxypropoxy)butane	2425-79-8 219-371-7 603-072-00-7 01-2119494060-45	Acute Tox.4; H302 Acute Tox.4; H312 Acute Tox.4; H332 Eye Dam.1; H318	>= 5 - < 7

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 3 from 14
Print date: 12-7-2024

		Skin Irrit.2; H315 Skin Sens.1; H317 Aquatic Chronic3; H412	
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidylsebacate	- - 1065336-91-5 01-2119491304-40	Skin Sens.1A; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410 M-factor (Acute aquatic toxicity): 1 M-factor (Chronic aquatic toxicity): 1	>= 0,1 - < 0,25

For explanation of abbreviations, see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures:

General advice:

Keep warm and put in a quiet environment.
Show this safety data sheet to the doctor on duty.
Remove contaminated clothing immediately.

By inhalation:

Getting into the fresh air.
Keep victim warm and calm.
If unconscious, apply stable side position and seek medical attention.
If symptoms persist, consult a doctor.
In case of irregular breathing or respiratory arrest, apply artificial respiration.

On contact with skin:

Immediately wash with soap and plenty of water.
DO NOT use solvents or paint thinner.
In case of spillage on clothing, remove clothing.
If skin irritation persists, consult a doctor.

On contact with eyes:

Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.
As far as easy to do, remove any contact lenses.

If swallowed:

Keep calm.
Do not induce vomiting without medical advice.
Keep breathing passages clear.
If symptoms persist, consult a doctor.

4.2 Main acute and delayed symptoms and effects:

Symptoms:

Irritant effects.
Redness.
Sensitising effects.

4.3 Indication of immediate medical attention and special treatment required:

Treatment:

The procedure for first aid should be drawn up together with the company doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:

Foam
Sand
Carbon dioxide (CO2)
Water mist

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 4 from 14
Print date: 12-7-2024

Unsuitable extinguishing media:

Water spray jet

5.2 Special hazards arising from the substance or mixture:

Specific hazards in firefighting:

Heat can increase pressure in sealed containers.

Cool closed containers near the fire with water spray.

5.3 Advice for firefighters:

Special protective equipment for firefighters:

In case of fire, wear a compressed air mask.

Use personal protective equipment.

Further information:

In case of fire and/or explosion, avoid breathing fumes.

Use extinguishing agents suitable for the local conditions and environment.

Immediately evacuate personnel to a safe area.

Prevent extinguishing water from contaminating surface water or groundwater systems.

Combustion residues and contaminated fire fighting water must be disposed of according to local regulations.

SECTION 6: Measures in case of accidental release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions:

See protective measures in sections 7 and 8.

Evacuate personnel to a safe area.

Use personal protective equipment.

Ensure adequate ventilation.

Inform the competent authority in case of gas leaks, or run-off into waterways, soil or sewers.

6.2 Environmental precautions:

Environmental precautions:

Avoid uncontrolled discharge of product into the environment.

Try to prevent the material from draining into sewers or watercourses.

In case of significant leaks that cannot be contained, the local government should be notified.

6.3 Methods and materials for containment and cleaning:

Cleaning methods:

Absorb in inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Limit spill and collect with non-combustible absorbent materials, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

Incorporate and transfer into properly labelled containers.

6.4 Reference to other sections:

For personal protection, see section 8.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling of the substance or mixture:

Safe handling advice:

Ensure adequate ventilation and/or extraction in the workplace.

Avoid inhalation, ingestion and contact with skin and eyes.

Wear personal protective clothing.

Persons suffering from skin sensitisation problems, asthma, allergies, chronic or recurrent respiratory diseases should not perform work involving the use of this mixture.

Advice on protection against fire and explosion:

Keep away from open flames, hot surfaces and ignition sources.

Hygiene measures:

Ensure adequate air ventilation.

Wash hands and face before stopping work and immediately after using the product.

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 5 from 14
Print date: 12-7-2024

7.2 Conditions for safe storage, including incompatibilities:

Requirements for storage areas and containers:

Store containers tightly closed in a dry, cool and well-ventilated place.
Store in correctly labelled containers.

Advice for mixed storage:

Keep away from oxidising agents, strong acids or alkaline materials and amines.
Keep product and empty packaging away from heat and ignition sources.
Keep away from food and drink.

Other details:

Stable at normal room temperature and pressure.

7.3 Specific end use:

Specific use:

Before using this substance/mixture, refer to the technical guidelines.

SECTION 8: Exposure controls/personal protection measures

8.1 Control parameters:

The product contains no ingredients for which exposure values have been established.

Derived no-effect doses (DNEL) according to Regulation (EC) Number 1907/2006:

Substance name	End use	Route of exposure	Possible health condition	Value
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Employees	Skin touch	Acute - systemic effects, Long-term - systemic effects	8.33 mg/kg
	Employees	Inhalation	Acute - systemic effects, Long-term - local effects	12.25 mg/m ³
	Consumers	Skin touch	Acute - systemic effects, Long-term - systemic effects	3,571 mg/kg
	Consumers	Ingestion	Acute - systemic effects, Long-term - systemic effects	0.75 mg/kg
oxirane, mono[(C12-14-alkyloxy)methyl] derivatives	Employees	Skin touch	Long-term - systemic effects	3.9 mg/kg
	Employees	Inhalation	Long-term - systemic effects	13.8 mg/m ³

Predicted no-effect concentration (PNEC) according to Regulation (EC) Number 1907/2006:

Substance name	Environmental compartment	Value
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Freshwater	0.006 mg/l
	Seawater	0.0006 mg/l
	Sporadic release	0.018 mg/l
	Sewage treatment plant	10 mg/l
	Freshwater deposition	0.996 mg/kg
	Sea deposits	0.0996 mg/kg
	Bottom	0.196 mg/kg
oxirane, mono[(C12-14-alkyloxy)methyl] derivatives	Sewage treatment plant	10 mg/l
	Freshwater	0.0072 mg/l
	Seawater	0.00072 mg/l
	Freshwater deposition	66.77 mg/kg
	Sea deposits	6,677 mg/kg
	Bottom	80.12 mg/kg

8.2 Exposure control measures:

Technical controls:

Effective extraction ventilation system.
Effective ventilation at all workplaces.

Personal protection devices:

Eye protection:

Do not wear contact lenses.
Safety glasses with side shields according to EN 166.
Provide eyewash facilities and safety showers close to the workplace.

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 6 from 14
Print date: 12-7-2024

Hand protection

Material:

Protective gloves according to EN 374.

Material: butyl rubber

Breakthrough time: > 480 min

Glove thickness: 0.35 mm

Material: Neoprene

Breakthrough time: > 480 min

Glove thickness: 0.35 mm

Material: Nitrile rubber

Breakthrough time: > 480 min

Glove thickness: 0.35 mm

Notes:

In case of persistent or repeated contact, wear gloves.

Observe regulations on permeability and soak time, as supplied by the glove supplier. Also consider specific local conditions of use, such as risk of cuts, abrasion and contact time.

The soaking time depends on the material, thickness and glove type, among other things, and must therefore be determined separately for each application.

Suitability for a specific workplace should be discussed with the manufacturer of the protective gloves.

Skin and body protection:

Protective clothing

Respiratory protection:

Unless adequate local exhaust ventilation is provided, or exposure assessment shows that exposures are within recommended exposure guidelines, use respiratory protection.

In case of vapour formation, use a respirator with an approved filter type.

The equipment must comply with EN 14387.

Apply engineering measures to comply with occupational exposure limits.

This can be achieved by good general extraction or, where practical, local exhaust ventilation.

Protective measures:

Avoid contact with skin.

Wear suitable personal protective equipment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Occurrence:	liquid
Colour:	colourless
Smell:	light
Odour threshold:	Not performed
Melting/freezing point:	Not applicable
Boiling point/boiling range	:> 200°C
Upper explosion limit / Upper flammability limit:	Not applicable
Lower explosion limit / Lower flammability limit:	Not applicable
Flash point:	150°C
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data available
pH:	4 - 6 Concentration: 1 %

Viscosity

Viscosity, dynamic: 700 - 1,000 mPa.s (25 °C)

Viscosity, kinematic: Not performed

Solubility

Solubility in water: Not performed

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 7 from 14
Print date: 12-7-2024

Solubility in other solvents:	Not performed
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	Not performed
Density:	1.12 g/cm ³ (25 °C)
Bulk specific gravity:	Not exported
Relative vapour density:	Not performed
Particle characteristics	
Particle size:	Not applicable
9.2 Other information	
Explosives:	Not applicable
Oxidising properties:	Not applicable
Self-ignition:	Not applicable
Evaporation rate:	Not performed
Surface tension:	Not performed
Sublimation point:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity:

Stable under recommended storage conditions.

10.2 Chemical Stability:

No decomposition if stored and applied as indicated.

10.3 Potential Hazardous Reactions:

Dangerous reactions:

Reacts with the following substances:

Bases

Strong oxidising agents

Avoid amines.

10.4 Conditions to avoid:

No decomposition if directions are followed.

10.5 Chemically Interacting Materials:

Materials to avoid:

Incompatible with oxidising agents.

10.6 Hazardous Decomposition Products:

The following substances may be released from this product:

Carbon monoxide, carbon dioxide and unburned hydrocarbon (smoke).

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute Toxicity

Product:

Acute oral toxicity:

Acute toxicity estimates : > 2,000 mg/kg

Method: Calculation method

Acute toxicity by inhalation:

Acute toxicity estimates : > 20 mg/l

Exposure time: 4 h

Test atmosphere: vapours

Method: Calculation method

Acute dermal toxicity:

Acute toxicity estimates : > 2,000 mg/kg

Method: Calculation method

Constituents:

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 8 from 14
Print date: 12-7-2024

bis-[4-(2,3-epoxypropoxy)phenyl]propane:

Acute oral toxicity:

LD50 (Rat, female): > 2,000 mg/kg

Method: Guideline test OECD 420

GLP: yes

Acute dermal toxicity:

LD50 (Rat, male and female): > 2,000 mg/kg

Method: Guideline test OECD 402

GLP: yes

Skin corrosion/irritation

Product:

Comments: No data available

Constituents:

bis-[4-(2,3-epoxypropoxy)phenyl]propane:

Species: Rabbit

Exposure time: 4 h

Method: Guideline test OECD 404

Result: skin irritation

GLP: yes

Serious eye damage/eye irritation

Product:

Comments: No data available

Respiratory/skin sensitisation

Product:

Comments: No data available

Constituents:

bis-[4-(2,3-epoxypropoxy)phenyl]propane:

Test type: Mouse Local Lymph Node assay (LLNA)

Type: Mouse

Method: Guideline test OECD 429

Result: May cause sensitisation by skin contact.

GLP: yes

Carcinogenicity

Product:

Comments: No data available

Reproductive toxicity

Product:

Effects on fertility:

Comments: No data available

Effects on foetal development:

Comments: No data available

STOT from single exposure

Product:

Comments: No data available

STOT on repeated exposure

Product:

Comments: No data available

Repeated-dose toxicity

Product:

Comments: No data available

Aspiration toxicity

Constituents:

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 9 from 14
Print date: 12-7-2024

bis-[4-(2,3-epoxypropoxy)phenyl]propane:

No classification for aspiration toxicity.

11.2 Information on other hazards

Endocrine-disrupting properties

Product:

Assessment:

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Further information

Product:

Notes:

No data available

SECTION 12: Ecological information

12.1 Toxicity:

Product:

Toxicity to fish:

Comments: No data available

Toxicity to daphnia and other aquatic invertebrates:

Comments: No data available

Constituents:

bis-[4-(2,3-epoxypropoxy)phenyl]propane:

Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia (Aquatic fly)): 1.7 mg/l

Exposure time: 48 h

Test type: static test

Method: OECD Test Guideline 202

GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):

NOEC: 0.3 mg/l

Exposure time: 21 d

Species: Daphnia magna (large water flea)

Test type: semi-static test

Method: OECD Test Guideline 211

GLP: yes

Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:

M-factor ((Acute) Aquatic short-term hazard):

1

M-factor ((Chronic) Aquatic long-term hazard):

1

12.2 Persistence and Degradability:

Product:

Biodegradability:

Comments: No data available

Physicochemical removability:

Comments: No data available

Constituents:

bis-[4-(2,3-epoxypropoxy)phenyl]propane:

Biodegradability:

Result: Not readily biodegradable.

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 10 from 14
Print date: 12-7-2024

Method: Guideline test OECD 301F

GLP: yes

12.3 Bioaccumulation:

Product:

Bioaccumulation:

Comments: No data available

Constituents:

bis-[4-(2,3-epoxypropoxy)phenyl]propane:

Partition coefficient: n-octanol/water:

log Pow: 3,242 (25 °C)

pH: 7.1

Method: OECD Test Guideline 117

GLP: yes

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

Product:

Assessment:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

12.7 Other Harmful Effects:

Product:

Additional ecological information:

Remarks: There is a risk of environmental damage if this substance is handled or disposed of improperly.

SECTION 13: Disposal instructions

13.1 Waste treatment methods:

Product:

According to local and national regulations.

Container dangerous when empty.

Do not dispose together with household waste.

Do not mix streams during waste collection.

Contaminated packaging:

Empty containers should be disposed of at an authorised waste treatment facility for reuse or disposal.

SECTION 14: Information relating to transport

14.1 UN number

ADR/RID/ADN: UN 3082

IMDG: UN 3082

IATA: UN 3082

14.2 Proper cargo name according to UN model regulations

ADR/RID/ADN: ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S.
(2,2-bis[4-(2,3-epoxypropoxy)phenyl]propane)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(bis-[4-(2,3-epoxipropoxi)phenyl]propane)

IATA: Environmentally hazardous substance, liquid, n.o.s.

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 11 from 14
Print date: 12-7-2024

(bis[4-(2,3-epoxypropoxy)phenyl]propane)

14.3 Transport hazard class(es)

ADR/RID/ADN: 9
IMDG: 9
IATA: 9

14.4 Packing group

ADR/RID/ADN

Packing group: III
Classification code: M6
Hazard identification number: 90
Labels: 9
Tunnel restriction code: -
Notes:

ADR: These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG

Packing group: III
Labels: 9
EmS Code: F-A, S-F
Notes:

IMDG Code segregation group - none

IMDG: Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria for inclusion in another hazard class all provisions of this Code relevant to any additional hazards continue to apply.

IATA (Cargo)

Packing requirement (cargo aircraft): 964
Packing group: III
Labels: Miscellaneous
Notes:

IATA: These substances when transported in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

IATA (Passenger)

Packing requirement (passenger aircraft): 964
Packaging requirement (LQ): Y964
Packing group: III
Labels: Miscellaneous

14.5 Environmental hazards

ADR/RID/AND

Environmental hazard: yes

IMDG

Marine pollution: yes

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 12 from 14
Print date: 12-7-2024

IATA

Environmentally hazardous: yes

14.6 Special precautions for the user

Notes:

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with regulations by personnel who have received the necessary training.

The transport classification(s) given herein are for information only, and based solely on the properties of the unpackaged material as described in this safety data sheet. Transport classifications may vary in terms of mode of transport, size of packaging and variations in regional or national regulations.

14.7 Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code

Not applicable for product, as delivered.

SECTION 15: Statutory information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):

Restriction conditions for the following dates should be considered:

Number on the list: 3

REACH - Candidate list of substances of very high concern for authorisation (Article 59):

Not applicable

Regulation (EC) No 1005/2009 on ozone-depleting substances:

Not applicable

Regulation (EE) 2019/1021 on persistent organic pollutants (recast):

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals:

Not applicable

REACH - List of substances subject to authorisation (Annex XIV):

Not applicable

REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors:

Not applicable

Overviews of toxic chemicals and precursor (intermediate) compounds of the International Convention on Chemical Weapons ("International Chemical Weapons Convention (CWC)":

Not applicable

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E2

ENVIRONMENT

Other regulations:

As for the composition of the product, we deliberately do not add any of the substances indicated in European Directive 2011/65/EU (RoHS 2, RoHS3 and China RoHS).

The product therefore complies with the said guidelines.

Also, no conflict minerals are deliberately added to the product.

15.2 Chemical safety assessment:

Not applicable.

SECTION 16: Other information

Full text of the H statements

H302: Harmful if swallowed.

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 13 from 14
Print date: 12-7-2024

H312:	Harmful in contact with skin.
H315:	Causes skin irritation.
H317:	May cause an allergic skin reaction.
H318:	Causes serious eye damage.
H319:	Causes severe eye irritation.
H332:	Harmful by inhalation.
H360F:	May impair fertility.
H361f:	Suspected of damaging fertility.
H400:	Very toxic to aquatic organisms.
H410:	Very toxic to aquatic organisms, with long-lasting effects.
H411:	Toxic to aquatic organisms with long-lasting effects.
H412:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.:	Acute toxicity
Aquatic Acute:	(Acute) Aquatic short-term hazard
Aquatic Chronic:	(Chronic) Aquatic long-term hazard
Eye Dam.:	Serious eye damage
Eye Irrit.:	Eye irritation
Repr.:	Toxicity for reproduction
Skin Irrit.:	Skin corrosion/irritation
Skin	sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Association for the Testing of Materials; bw - Body Weight; CLP - Regulation on Classification, Labelling and Packaging; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - List of substances used indoors (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Charge capacity associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-Maximum Inhibitory Concentration; ICAO - International Civil Aviation Organisation; IECS - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (lethal dose median); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No discernible (negative) effect on concentration; NO(A)EL - No discernible (negative) effect on Level; NOELR - No discernible effect on cargo capacity; NZIoC - New Zealand inventory of chemicals; OECD - Organisation for Economic Co-operation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Philippine inventory of chemicals and chemical substances; (Q)SAR - (Quantitative) structure-activity relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Inventory of Chemical Substances; TECI - Inventory of Chemical Substances Existing in Thailand; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878
Version 9.0 Revision date: 25-06-2024
Trade name: EC 141 NF

Page 14 from 14
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Further information

Training advice:
Provide proper information, instruction and training for users.

Classification of the preparation:

Skin Irrit. 2	H315
Eye Dam. 1	H318
Skin Sens. 1	H317
Repr. 1B	H360F
Aquatic Chronic 2	H411

Classification procedure:

Calculation method

The information in this safety data sheet is correct to the best of our knowledge at the date of issue indicated. This information is intended only as guidance for safe handling, use, processing, storage, transportation, disposal, and release, and should not be considered a guarantee or indication of quality.