


 NEUCEDRY
Code: 26.11


Version: 1 Date of compilation: 29/11/2021

Date of printing: 29/11/2021

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

- 1.1 **PRODUCT IDENTIFIER:** NEUCEDRY
Code: 26.11
- 1.2 **RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:**
Intended uses (main technical functions): [X] Industrial [X] Professional [] Consumers
 Accelerant.
Uses advised against:
 This product is not recommended for any use or sector of use (industrial, professional or consumer) other than those previously listed as 'Intended or identified uses'.
Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:
 Not restricted.
- 1.3 **DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:**
 NEUCE - Indústria de Tintas, S.A.
 Rua Francisco Rocha - Aptdo. 4514 - 3700-892 - Romariz SJM (Portugal)
 Phone: +351 256 840040 - Fax: +351 256 840049
E-mail address of the person responsible for the Safety Data Sheet:
 e-mail: geral@neuce.pt
- 1.4 **EMERGENCY TELEPHONE NUMBER:** +351 256 840041 (9:00-18:30 h.) (working hours)

SECTION 2 : HAZARDS IDENTIFICATION

- 2.1 **CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:**
Classification in accordance with Regulation (EU) No. 1272/2008~2020/1182 (CLP):
 WARNING: Acute Tox. (oral) 4:H302 | Eye Irrit. 2:H319 | Skin Sens. 1:H317 | Aquatic Chronic 2:H411
- | Danger class | Classification of the substance | Cat. | Routes of exposure | Target organs | Effects |
|---|--|----------------------------------|--------------------------------|------------------------|---------------------------------------|
| <u>Physicochemical:</u>
Not classified | Acute Tox. (oral) 4:H302
Eye Irrit. 2:H319
Skin Sens. 1:H317
Aquatic Chronic 2:H411 | Cat.4
Cat.2
Cat.1
Cat.2 | Ingestion
Eyes
Skin
- | -
Eyes
Skin
- | Harmful
Irritation
Allergy
- |
| <u>Human health:</u>
 | | | | | |
| <u>Environment:</u>
 | | | | | |

Full text of hazard statements mentioned is indicated in section 16.

- 2.2 **LABEL ELEMENTS:**

 This product is labelled with the signal word WARNING in accordance with Regulation (EU) No. 1272/2008~2020/1182 (CLP)
- Hazard statements:
 H302 Harmful if swallowed.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements:
 P102 Keep out of reach of children.
 P280 Wear protective gloves and eye protection.
 P363 Wash contaminated clothing before reuse.
 P303+P361+P353-P352-P312 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell.
 P305+P351+P338-P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
 P273-P391-P501a Avoid release to the environment. Collect spillage. Dispose of contents/container in accordance with local regulations.
- Supplementary statements:
 None.
- Substances that contribute to classification:
 Aziridine homopolymer

- 2.3 **OTHER HAZARDS:**
 Hazards which do not result in classification but which may contribute to the overall hazards of the substance:
Other physicochemical hazards: No other relevant adverse effects are known.
Other adverse human health effects: No other relevant adverse effects are known.
Other negative environmental effects: No other adverse effects are known.



NEUCEDRY
Code: 26.11



SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1

SUBSTANCES:

This product is a substance (polymer).

Chemical description:

Solution of aziridine homopolymer in aqueous media.

INGREDIENTS:

50 < 100 %

Aziridine homopolymer

CAS: 9002-98-6, List No. 618-346-1*

REACH: Exempt (polymer)

Autoclassified

CLP: Warning: Acute Tox. (oral) 4:H302 | Eye Irrit. 2:H319 | Skin Sens. 1:H317

| Aquatic Chronic 2:H411



*Note: The list numbers are provisional and pending the ECHA publishes the EC number in official inventory.

50 < 100 %

Water

CAS: 7732-18-5, EC: 231-791-2

REACH: Exempt (annex IV)

Not classified

Impurities:

Does not contain other components or impurities which will influence the classification of the product.

Stabilizers:

None

Reference to other sections:

For more information on hazardous ingredients, see sections 8, 11, 12 and 16.

SUBSTANCES OF VERY HIGH CONCERN (SVHC):

List updated by ECHA on 08/07/2021.

Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:

None

Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:

None

PERSISTENT, BIOACCUMULABLE AND TOXIC PBT, OR VERY PERSISTENT AND VERY BIOACCUMULABLE VPVB SUBSTANCES:

Not available.

3.2

MIXTURES:

Not applicable (substance).

SECTION 4 : FIRST AID MEASURES

4.1

DESCRIPTION OF FIRST-AID MEASURES:



Symptoms may occur after exposure, so that in case of direct exposure to the product, when in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Lifeguards should pay attention to self-protection and use the recommended protective equipment if there is a possibility of exposure. Wear protective gloves when administering first aid.

Route of exposure

Symptoms and effects, acute and delayed

Description of first-aid measures

Inhalation:

It is not expected that symptoms will occur under normal conditions of use.

Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.

Skin:



Skin contact causes redness.

Remove immediately contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. In the case of skin reddening or rashes, contact a doctor immediately.

Eyes:



Contact with the eyes produces redness and pain.

Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Call a physician immediately.

Ingestion:



If swallowed, may cause irritation of the mouth, throat and oesophagus.

Wash out the mouth, then drink plenty of water. Induce vomiting but in accordance with doctor's instructions. Should vomiting occur spontaneously, keep free respiratory tract. Keep the patient at rest.

4.2

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

The main symptoms and effects are indicated in sections 4.1 and 11.1

4.3

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Notes to physician: Specific treatment is necessary in case of exposition with this product: the appropriate means with instructions must be available.

Antidotes and contraindications: Not available.



NEUCEDRY
Code: 26.11



SECTION 5 : FIRE-FIGHTING MEASURES

- 5.1 **EXTINGUISHING MEDIA:**
Extinguishing powder or CO2. In the case of more important fires, also alcohol resistant foam and water spray/mist.
- 5.2 **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**
As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide, nitrogen oxides. Exposure to combustion or decomposition products may be a hazard to health.
- 5.3 **ADVICE FOR FIREFIGHTERS:**
Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. If the fire-proof protective equipment is not available or is not being used, combat fire from a sheltered position or from a safe distance. The standard EN469 provides a basic level of protection for chemical incidents.
Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

- 6.1 **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**
Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product.
- 6.2 **ENVIRONMENTAL PRECAUTIONS:**
Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.
- 6.3 **METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:**
Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc.). Keep the remains in a closed container.
- 6.4 **REFERENCE TO OTHER SECTIONS:**
For contact information in case of emergency, see section 1.
For information on safe handling, see section 7.
For exposure controls and personal protection measures, see section 8.
For waste disposal, follow the recommendations in section 13.

SECTION 7 : HANDLING AND STORAGE

- 7.1 **PRECAUTIONS FOR SAFE HANDLING:**
Comply with the existing legislation on health and safety at work.
General recommendations:
Use in areas free from sources of ignition and away from heat or electrical sources. Do not smoke. Avoid any type of leakage or escape. Keep the container tightly closed.
Recommendations for the prevention of fire and explosion risks:
Due to its flammability, this material should only be used in areas from which all naked lights and other sources of ignition have been excluded and away from other heat or electrical sources. Do not smoke.
Recommendations for the prevention of toxicological risks:
Do not eat, drink or smoke while handling. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.
Recommendations for the prevention of environmental contamination:
Avoid any spillage in the environment. Pay special attention to the cleaning water. In the case of accidental spillage, follow the instructions indicated in section 6.
- 7.2 **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**
Forbid the entry to unauthorized persons. Keep away from food, drink and animal food stuffs. Keep out of reach of children. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. If possible, avoid direct contact with sunlight. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.
Class of storage : According to current legislation.
Maximum storage period : 12. months
Temperature interval : min: 5. °C, max: 35. °C (recommended).
Incompatible materials:
Keep away from oxidizing agents, acids.
Type of packaging:
According to current legislation.
Limit quantity (Seveso III): Directive 2012/18/EU:
- Named dangerous substances/mixtures: None
- Hazard categories and lower-/upperthreshold quantities in tonnes (t):
· Physical hazards: Not applicable.
· Health hazards: Not applicable
· Environmental hazards: Toxic to aquatic life with long lasting effects (E2) (200t/500t).
· Other hazards: Not applicable.
- Threshold quantity for the application of lower-tier requirements: 200 tons
- Threshold quantity for the application of upper-tier requirements: 500 tons
- Remarks:
The qualifying quantities set out above relate to each establishment. The quantities to be considered for the application of the relevant Articles are the maximum quantities which are present or are likely to be present at any one time. Dangerous substances present at an establishment only in quantities equal to or less than 2 % of the relevant qualifying quantity shall be ignored for the purposes of calculating the total quantity present, if their location within an establishment is such that it cannot act as an initiator of a major accident elsewhere at that establishment. For more details, see note 4 of Annex I of the Seveso Directive.
- 7.3 **SPECIFIC END USES:**
For the use of this product particular recommendations apart from that already indicated are not available.


 NEUCEDRY
 Code: 26.11


SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1

CONTROL PARAMETERS:

If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689, EN14042 and EN482 standard concerning methods for assessing the exposure by inhalation to chemical agents, and exposure to chemical and biological agents. Reference should be also made to national guidance documents for methods for the determination of dangerous substances.

OCCUPATIONAL EXPOSURE LIMIT VALUES :

Not established.

BIOLOGICAL LIMIT VALUES:

Not available

DERIVED NO-EFFECT LEVEL (DNEL):

Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidances included in REACH. DNEL values may differ from an occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

Derived no-effect level, workers:

- Systemic effects, acute and chronic:

 Aziridine homopolymer
 Water

DNEL Inhalation
 mg/m³

 - (a) - (c)
 - (a) - (c)

DNEL Cutaneous
 mg/kg bw/d

 - (a) - (c)
 - (a) - (c)

DNEL Oral
 mg/kg bw/d

 - (a) - (c)
 - (a) - (c)
Derived no-effect level, workers:

- Local effects, acute and chronic:

 Aziridine homopolymer
 Water

DNEL Inhalation
 mg/m³

 - (a) - (c)
 - (a) - (c)

DNEL Cutaneous
 mg/cm²

 - (a) - (c)
 - (a) - (c)

DNEL Eyes
 mg/cm²

 - (a) - (c)
 - (a) - (c)
Derived no-effect level, general population:

Not applicable (product for professional or industrial use).

(-) - DNEL not available (without data of registration REACH).

PREDICTED NO-EFFECT CONCENTRATION (PNEC):Predicted no-effect concentration, aquatic organisms:

- Fresh water, marine water and intermittent release:

 Aziridine homopolymer
 Water

PNEC Fresh water
 mg/l

 -
 -

PNEC Marine
 mg/l

 -
 -

PNEC Intermittent
 mg/l

 -
 -

- Wastewater treatment plants (STP) and sediments in

fresh- and marine water:

 Aziridine homopolymer
 Water

PNEC STP
 mg/l

 -
 -

PNEC Sediments
 mg/kg dw/d

 -
 -

PNEC Sediments
 mg/kg dw/d

 -
 -
Predicted no-effect concentration, terrestrial organisms:

- Air, soil and effects for predators and humans:

 Aziridine homopolymer
 Water

PNEC Air
 mg/m³

 -
 -

PNEC Soil
 mg/kg dw/d

 -
 -

PNEC Oral
 mg/kg dw/d

 -
 -

(-) - PNEC not available (without data of registration REACH).



NEUCEDRY
Code: 26.11



8.2

EXPOSURE CONTROLS:ENGINEERING MEASURES:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.

Protection of respiratory system: Avoid the inhalation of product.

Protection of eyes and face: It is recommended to install water taps, sources or eyewash bottles with clean water close to the working area.

Protection of hands and skin: It is recommended to install water taps or sources with clean water close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

OCCUPATIONAL EXPOSURE CONTROLS: Regulation (EU) No. 2016/425:

As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc.), you should consult the informative brochures provided by the manufacturers of PPE.

Mask:

Mask for gases and vapours (EN14387). Class 1: low capacity up to 1000 ppm, Class 2: medium capacity up to 5000 ppm, Class 3: high capacity up to 10000 ppm. In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers.

Safety goggles:

Safety goggles with suitable lateral protection (EN166). Clean daily and disinfect at regular intervals in accordance with the instructions of the manufacturer.

Face shield:

No.

Gloves:

Gloves resistant against chemicals (EN374). When repeated or prolonged contact with the product is expected, gloves of protection level 5 or higher should be used, with a breakthrough time of > 240 min. When short contact with the product is expected, use gloves with a protection level 2 or higher should be used, with a breakthrough time > 30 min. The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, the instructions/specifications provided by the glove supplier should be taken into account. If used in solution or mixed with other substances, or under conditions different from the EN374, please contact the supplier of the approved gloves. Use the proper technique of removing gloves (without touching glove's outer surface) to avoid contact of the product with the skin. The gloves should be immediately replaced when any sign of degradation is noted.

Boots:

No.

Apron:

No.

Clothing:

Suitable work clothes which avoid contact with the product should be worn.

Thermal hazards:

Not applicable (the product is handled at room temperature).

ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment.

Spills on the soil: Prevent contamination of soil.

Spills in water: Do not allow to escape into drains, sewers or water courses.

- Water Management Act: This product does not contain any substance included in the list of priority substances in the field of water policy under Directive 2000/60/EC~2013/39/EU.

Emissions to the atmosphere: Not applicable.


 NEUCEDRY
 Code: 26.11


SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

<u>Appearance</u>	
- Physical state	: Liquid.
- Colour	: Colourless.
- Odour	: Characteristic.
<u>pH-value</u>	
- pH	: 11. at 20°C
<u>Change of state</u>	
- Initial boiling point	: > 100. °C at 760 mmHg
<u>Density</u>	
- Vapour density	: < 1 (lighter than air).
- Relative density	: 1.023 at 20/4°C
	Relative water
<u>Stability</u>	
- Decomposition temperature	: 310 °C
<u>Viscosity:</u>	
<u>Volatility:</u>	
- Evaporation rate	: 40.5 nBuAc=100 25°C
- Vapour pressure	: 17.5 mmHg at 20°C
- Vapour pressure	: 12.3 kPa at 50°C
	Relative
<u>Solubility(ies)</u>	
- Solubility in water:	: Miscible.
<u>Flammability:</u>	
- Flash point	: > 100. °C
- Autoignition temperature	: Not applicable (do not sustain combustion).
<u>Explosive properties:</u>	
In the molecule there is no chemical groups associated with explosive properties.	
<u>Oxidizing properties:</u>	
Not classified as oxidizing product.	

9.2 OTHER INFORMATION:

The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the corresponding technical data sheet. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.

SECTION 10 : STABILITY AND REACTIVITY

10.1 REACTIVITY:

Corrosivity to metals: It is not corrosive to metals.

Pyrophorical properties: It is not pyrophoric.

10.2 CHEMICAL STABILITY:

Stable under recommended storage and handling conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Possible dangerous reaction with oxidizing agents, acids.

10.4 CONDITIONS TO AVOID:

Heat: Keep away from sources of heat.

Light: If possible, avoid direct contact with sunlight.

Air: The product is not affected by exposure to air, but should not be left the containers open.

Pressure: Not relevant.

Shock: The product is not sensitive to shocks, but as a recommendation of a general nature should be avoided bumps and rough handling to avoid dents and breakage of packaging, especially when the product is handled in large quantities, and during loading and download operations.

10.5 INCOMPATIBLE MATERIALS:

Keep away from oxidizing agents, acids.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

As consequence of thermal decomposition, hazardous products may be produced: nitrogen oxides. No product of decomposition is dangerous if stored and handled properly.


 NEUCEDRY
 Code: 26.11


SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:Dose and lethal concentrations :

Aziridine homopolymer

LD50 (OECD 401)
 mg/kg bw oral
 920. Rat

LD50 (OECD 402)
 mg/kg bw cutaneous

LC50 (OECD 403)
 mg/m³-4h inhalation
Estimates of acute toxicity (ATE) :

Aziridine homopolymer

ATE
 mg/kg bw oral
 920.

ATE
 mg/kg bw cutaneous
 -

ATE
 mg/m³-4h inhalation
 -

(*) - Point estimates of acute toxicity corresponding to the classification category (see GHS/CLP Table 3.1.2). These values are designed to be used in the calculation of the ATE for classification of a mixture based on its components and do not represent test results.

(-) - The components that are assumed to have no acute toxicity at the upper threshold of category 4 for the corresponding exposure route are ignored.

No observed adverse effect level

Not available

Lowest observed adverse effect level

Not available

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Acute toxicity:

Routes of exposure	Acute toxicity	Cat.	Main effects, acute and/or delayed	Criteria
<u>Inhalation:</u> Not classified	ATE > 20 000 mg/m ³	-	Not classified as a product with acute toxicity if inhaled (lack of data).	GHS/CLP 3.1.2. OECD 403
<u>Skin:</u> Not classified	ATE > 20 000 mg/kg bw	-	Not classified as a product with acute toxicity in contact with skin (lack of data).	GHS/CLP 3.1.2. OECD 402
<u>Eyes:</u> Not classified	Not available	-	Not classified as a product with acute toxicity by eye contact (lack of data).	GHS/CLP 1.2.5.
<u>Ingestion:</u> 	ATE : 1840. mg/kg bw	Cat.4	HARMFUL: Harmful if swallowed.	GHS/CLP 3.1.2. OECD 401

CORROSION / IRRITATION / SENSITISATION :

Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
<u>Respiratory corrosion/irritation:</u> Not classified	-	-	Not classified as a product corrosive or irritant by inhalation.	GHS/CLP 1.2.6. 3.8.2.2.1.
<u>Skin corrosion/irritation:</u> Not classified	-	-	Not classified as a product corrosive or irritant in contact with skin.	GHS/CLP 3.2.2. OECD 404
<u>Serious eye damage/irritation:</u> 	Eyes 	Cat.2	IRRITANT: Causes serious eye irritation.	GHS/CLP 3.3.2. OECD 405
<u>Respiratory sensitisation:</u> Not classified	-	-	Not classified as a product sensitising by inhalation.	GHS/CLP 3.4.2.1.
<u>Skin sensitisation:</u> 	Skin 	Cat.1	SENSITISING: May cause an allergic skin reaction.	GHS/CLP 3.4.2.2. OECD 406

ASPIRATION HAZARD:

Danger class	Target organs	Cat.	Main effects, acute and/or delayed	Criteria
<u>Aspiration hazard:</u> Not classified	-	-	Not classified as a product hazardous by aspiration.	GHS/CLP 3.10.2.

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or Repeated exposure (RE):

Not classified as a dangerous product for target organs.

CMR EFFECTS:Carcinogenic effects: It is not considered as a carcinogenic product.Genotoxicity: It is not considered as a mutagenic product.Toxicity for reproduction: Does not harm fertility. Does not harm the unborn child.Effects via lactation: Not classified as a hazardous product for children breast-fed.



NEUCEDRY
Code: 26.11



DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

Routes of exposure: Not available.

Short-term exposure:

Long-term or repeated exposure: Not available.

INTERACTIVE EFFECTS:

Not available.

INFORMATION ABOUT TOXICOKINETICS, METABOLISM AND DISTRIBUTION:

Dermal absorption: Not available.

Basic toxicokinetics: Not available.

ADDITIONAL INFORMATION:

Not available.

SECTION 12 : ECOLOGICAL INFORMATION

12.1 TOXICITY:

Acute toxicity in aquatic environment :

Aziridine homopolymer

LC50 (OECD 203)
mg/l·96hours

> 7.1 Fishes

EC50 (OECD 202)
mg/l·48hours

> 8.8 Daphnia

EC50 (OECD 201)
mg/l·72hours

No observed effect concentration

Not available

Lowest observed effect concentration

Not available

ASSESSMENT OF AQUATIC TOXICITY:

Aquatic toxicity

Cat.

Main hazards to the aquatic environment

Criteria

Acute aquatic toxicity:

Not classified

-

Not classified as a hazardous product with acute toxicity to aquatic life (based on available data, the classification criteria are not met).

GHS/CLP
4.1.2.

Chronic aquatic toxicity:



Cat.2

TOXIC: Toxic to aquatic life with long lasting effects.

GHS/CLP
4.1.2.

12.2 PERSISTENCE AND DEGRADABILITY:

Not available.

Hydrolysis: Not available.

12.3 BIOACCUMULATIVE POTENTIAL:

Not available.

Bioaccumulation

Aziridine homopolymer

log Pow

BCF
L/kg

Potential

Not available

12.4 MOBILITY IN SOIL:

Not available.

Mobility

Aziridine homopolymer

log Poc

Constant of Henry
Pa·m³/mol 20°C

Potential

Not available

12.5 RESULTS OF PBT AND VPVB ASSESSMENT: Annex XIII of Regulation (EC) no. 1907/2006:

Not available.

12.6 OTHER ADVERSE EFFECTS:

Ozone depletion potential: Not applicable.

Photochemical ozone creation potential: Not applicable.

Earth global warming potential: Not available.

Endocrine disrupting potential: No.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS: Directive 2008/98/EC~Regulation (EU) no. 1357/2014:

Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. This material and its container must be disposed in a safe way. Do not discharge into drains or the environment, dispose at an authorised waste collection point. Waste should be handled and disposed in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

Disposal of empty containers: Directive 94/62/EC~2015/720/EU, Decision 2000/532/EC~2014/955/EU:

Emptied containers and packaging should be disposed in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.

Procedures for neutralising or destroying the product:

Authorised landfill in accordance with local regulations.

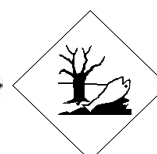
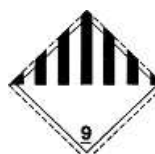
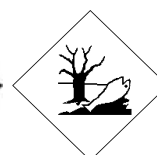
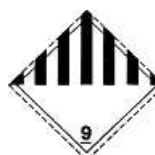
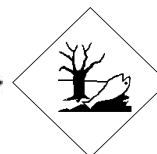
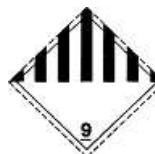


NEUCEDRY
Code: 26.11



SECTION 14 : TRANSPORT INFORMATION

14.1	UN NUMBER: 3082
14.2	UN PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains aziridine homopolymer, in solution)
14.3	<p>TRANSPORT HAZARD CLASS(ES):</p> <p><u>Transport by road (ADR 2021) and Transport by rail (RID 2021):</u></p> <ul style="list-style-type: none"> - Class: 9 - Packing group: III - Classification code: M6 - Tunnel restriction code: (-) - Transport category: 3, max. ADR 1.1.3.6. 1000 L - Limited quantities: 5 L (see total exemptions ADR 3.4) - Transport document: Consignment paper. - Instructions in writing: ADR 5.4.3.4 <p><u>Transport by sea (IMDG 39-18):</u></p> <ul style="list-style-type: none"> - Class: 9 - Packing group: III - Emergency Sheet (EmS): F-A,S-F - First Aid Guide (MFA G) : - - Marine pollutant: Yes. - Transport document: Shipping Bill of lading. <p><u>Transport by air (ICAO/IATA 2021):</u></p> <ul style="list-style-type: none"> - Class: 9 - Packing group: III - Transport document: Air Bill of lading. <p><u>Transport by inland waterways (ADN):</u> Not available.</p>
14.4	PACKING GROUP: See section 14.3
14.5	ENVIRONMENTAL HAZARDS: Classified as hazardous for the environment.
14.6	SPECIAL PRECAUTIONS FOR USER: Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are upright and secure. Keep separated from foodstuffs.
14.7	TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE: Not available.



SECTION 15 : REGULATORY INFORMATION

15.1	<p>EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC: The regulations applicable to this product generally are listed throughout this Safety Data Sheet.</p> <p><u>Restrictions on manufacture, placing on market and use:</u> See section 1.2</p> <p><u>Tactile warning of danger:</u> Not applicable (product for professional or industrial use).</p> <p><u>Child safety protection:</u> Not applicable (the classification criteria are not met).</p> <p><u>OTHER REGULATIONS:</u></p> <p><u>Responsabilidade ambiental:</u> A utilização deste produto em Portugal fica sujeita ao regime de responsabilidade ambiental previsto no DL.147/2008.</p> <p><u>Control of the risks inherent in major accidents (Seveso III):</u> See section 7.2</p> <p><u>Other local legislations:</u> The receiver should verify the possible existence of local regulations applicable to the chemical.</p>
15.2	CHEMICAL SAFETY ASSESSMENT: Not available.



NEUCEDRY
Code: 26.11



SECTION 16 : OTHER INFORMATION

TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:

Hazard statements according the Regulation (EU) No. 1272/2008~2020/1182 (CLP), Annex III:

H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

ADVICES ON ANY TRAINING APPROPRIATE FOR WORKERS:

It is recommended for all staff that will handle this product to carry out a basic training in occupational risk and prevention, in order to provide understanding and interpretation of Safety Data Sheets and labelling of products as well.

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Agency: ECHA, <http://echa.europa.eu/>
- Access to European Union Law, <http://eur-lex.europa.eu/>
- European agreement on the international carriage of dangerous goods by road, (ADR 2021).
- International Maritime Dangerous Goods Code IMDG including Amendment 39-18 (IMO, 2018).

ABBREVIATIONS AND ACRONYMS:

List of abbreviations and acronyms that can be used (but not necessarily used) in this Safety Data Sheet:

- REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals of the United Nations.
- CLP: European regulation on Classification, Labelling and Packaging of substances and chemical mixtures.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- ELINCS: European List of Notified Chemical Substances.
- CAS: Chemical Abstracts Service (Division of the American Chemical Society).
- UVCB: Substances of Unknown or Variable composition, complex reaction products or biological materials.
- SVHC: Substances of Very High Concern.
- PBT: Persistent, bioaccumulable and toxic substances.
- vPvB: Very persistent and very bioaccumulable substances.
- DNEL: Derived No-Effect Level (REACH).
- PNEC: Predicted No-Effect Concentration (REACH).
- LD50: Lethal dose, 50 percent.
- LC50: Lethal concentration, 50 percent.
- UN: United Nations Organisation.
- ADR: European agreement concerning the international carriage of dangerous goods by road.
- RID: Regulations concerning the international transport of dangerous goods by rail.
- IMDG: International Maritime code for Dangerous Goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization.

SAFETY DATA SHEET REGULATIONS:

Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex of Regulation (EU) No. 2015/830.

HISTORIC:

Version: 1

Date of compilation:

29/11/2021

The information of this Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.