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Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)
Classifications according to Regulation (EC) No 1272/2008.
Printdate 08 Jan 2024

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product name:

Isofetamid

1.1. Catalog No.:

685567

1.2. Relevant identified uses of the substance or mixture

Identified uses: Laboratory chemical
R&D

1.3. Uses advised against:

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1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36
This number is only available during office hours.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
Acute Tox. 4 H332 Harmful if inhaled.
Eye Irrit. 2 H319 Causes serious eye irritation.

2.2. Label elements

2.2.1. Pictogram

2.2.2.

Labelling according to Regulation (EC) No 1272/2008
The substance is classified and labelled according to the CLP regulation.
Signal word Warning

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Hazard statements
H332 Harmful if inhaled.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear eye protection / face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterisation: Substances
CAS No. Description
875915-78-9 Isofetamid
Identification number(s) None
RTECS: -
Additional information: For the wording of the listed hazard phrases refer to section 16.

3.1.1. Formula

C20H25NO3S

3.1.2. Molecular Weight (g/mol)

359.48

3.1.3. CAS-No.

875915-78-9

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4. FIRST AID MEASURES

4.1 Description of first aid measures
General information:
Symptoms of poisoning may occur even after several hours; therefore medical observation for at least 48 hours after the accident is recommended.
After inhalation:
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient in recovery position for transport.
Seek medical treatment.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water.
After swallowing: Rinse mouth. Do not induce vomiting.
4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable for surrounding conditions.
5.2 Special hazards arising from the substance or mixture
During heating or in case of fire poisonous gases are produced.
5.3 Advice for firefighters
Protective equipment:
Mouth respiratory protective device.
Wear self-contained respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Mount respiratory protective device.
Avoid formation of dust.
6.2 Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace: Not required.
8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Eye protection:
Use tightly sealed goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
General Information
Appearance:
· Viskosität:
Dynamisch: Nicht anwendbar.
Kinematisch: Nicht anwendbar.
· 9.2 Sonstige Angaben Keine weiteren relevanten Informationen verfügbar
Form: Crystalline
Colour: White
Odour: Odourless
Odour threshold: Not determined.
pH-value: Not applicable.
Change in condition
Melting point/freezing point: 103.5-105 °C
Initial boiling point and boiling range: Not determined.
Flash point: Not applicable.
Flammability (solid, gas): Not determined.
Ignition temperature: Not determined
Decomposition temperature: Not determined.
Auto-ignition temperature: Not determined.
Explosive properties: Not determined.
Explosion limits:
Lower: Not determined.
Upper: Not determined.
Vapour pressure: Not applicable.
Density: Not determined.
Relative density Not determined.
Vapour density Not applicable.
Evaporation rate Not applicable.
Solubility in / Miscibility with 1.2-Dichlorethane, Acetone, Methanol, Ethyl acetate
water at 20 °C: 0.00533 g/l
Partition coefficient: n-octanol/water: 2.5 logP
Viscosity:
Dynamic: Not applicable.
9.2 Other information No further relevant information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity Stable under normal conditions.
10.2 Chemical stability Stable under normal conditions.
Thermal decomposition / conditions to be avoided:

Formation of toxic gases is possible during heating or in case of fire.
10.3 Possibility of hazardous reactions No dangerous reactions known.
10.4 Conditions to avoid
Heat.
Sources of ignition
10.5 Incompatible materials: Strong oxidizing agents.
10.6 Hazardous decomposition products:
Formation of toxic gases is possible during heating or in case of fire.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity
Harmful if inhaled.
LD/LC50 values relevant for classification:
Oral LD50 >2,000 mg/kg (rat)
Dermal LD50 >2,000 mg/kg (rat)
Inhalative LC50/4 h >4.8 mg/l (rat)
Primary irritant effect:
Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/irritation
Causes serious eye irritation.
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure
May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Aquatic toxicity:
EC50/48 h 4.7 mg/l (daphnia)
EC50/72h >4.3 mg/l (Algae)
LC50/96 h 2.27 mg/l (fish)
12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
Ecotoxicological effects:
Remark: Toxic for fish
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product to reach ground water, water course or sewage system.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Other adverse effects No further relevant information available

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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Recommendation
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
European waste catalogue
Waste disposal key numbers from EWC have to be assigned depending on origin and processing.
Uncleaned packaging:
Recommendation: Dispose of in accordance with national regulations.

14. TRANSPORT INFORMATION

14.1 UN-Number
ADR, IMDG, IATA UN3077
ADR 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Isofetamid)
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Isofetamid), MARINE POLLUTANT
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Isofetamid)
14.3 Transport hazard class(es)
ADR, IMDG, IATA
14.7 Transport in bulk according to Annex II of
Marpol and the IBC Code Not applicable.
Transport/Additional information:
ADR
Limited quantities (LQ) 5 kg
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 1000 g
Transport category 3
UN "Model Regulation": UN 3 0 7 7 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (ISOFETAMID), 9, III
Class 9 Miscellaneous dangerous substances and articles.
Label 9
14.4 Packing group
ADR, IMDG, IATA III
14.5 Environmental hazards:
Marine pollutant: Symbol (fish and tree)
Special marking (ADR): Symbol (fish and tree)
Special marking (IATA): Symbol (fish and tree)
14.6 Special precautions for user Warning: Miscellaneous dangerous substances and
articles.
Danger code (Kemler): 90
EMS Number: F-A,S-F
Stowage Category A
Stowage Code SW23 When transported in BK3 bulk container, see
7.6.2.12 and 7.7.3.9.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Seveso category E2 Hazardous to the Aquatic Environment
Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
Directive 2012/18/EU
Named dangerous substances - ANNEX I Substance is not listed.

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16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!