ACRYLONITRILE (STABILISED) 99% EXTRA PURE MSDS



CAS-No.: 107-13-1 MSDS

MATERIAL SAFETY DATA SHEET (MSDS)

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

| 1.1. Product identifier | |
|----------------------------------|---|
| Product form | : Substance |
| | : |
| EC Index-No. | : 608-003-00-4 |
| EC-No. | : 203-466-5 |
| CAS-No. | : 107-13-1 |
| Product code | : 00022 |
| Formula | : C3H3N |
| Chemical structure | H ₂ C CN |
| Synonyms | : Vinyl cyanide |
| 1.2. Relevant identified uses of | f the substance or mixture and uses advised against |
| 4.0.4 Delevent identified were | |

1.2.1. Relevant identified uses

: Industrial For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Labogens Fine Chem Industries 1st Floor , Above Bank of India, Guru Vihar , Rahon Road, Ludhiana Pb. (141007) +91 9316777775, +91 7707855700 sales@labogens.com - www.Labogens.com

1.4. Emergency telephone number

Emergency number : +91 7707855700 (9:00am - 6:00 pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

| Flammable liquids, | H225 |
|---|------|
| Category 2 Carcinogenicity, Category 1B | H350 |
| Acute toxicity (dermal), | H311 |
| Category 3 | |
| Acute toxicity (inhal.), | H331 |
| Category 3 | |
| Acute toxicity (oral), | H301 |
| Category 3 | |

Safety Data Sheet

Serious eye damage/eye H318 irritation, Category 1 Skin corrosion/irritation, H315 Category 2 Specific target organ H335 toxicity — Single exposure, Category 3, Respiratory tract irritation Skin sensitisation, H317 Category 1 Hazardous to the aquatic H411 environment — Chronic Hazard, Category 2

Full text of H statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] Carc.Cat.2; R45 F; R11 T; R23/24/25 Xi; R41 Xi; R37/38 R43 N; R51/53 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

| 2.2. Label elements | | | | |
|--|---|--|--|--|
| Labelling according to Regulation (EC) No. 1272/2008 [CLP] | | | | |
| Hazard pictograms (CLP) | | | | |
| | GHS06 GHS02 GHS05 GHS08 GHS09 | | | |
| Signal word (CLP) | :- | | | |
| Hazard statements (CLP) | H225 - Highly flammable liquid and vapour. H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H335 - May cause respiratory irritation. H350 - May cause cancer. H411 - Toxic to aquatic life with long lasting effects. | | | |
| Precautionary statements (CLP) | P201 - Obtain special instructions before use. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor | | | |

Safety Data Sheet

2.3. Other hazards

No additional information available

| SECTION 3: Composition/information on ingredients | | |
|---|---|--|
| | | |
| 3.1. Substances | | |
| Name | : ACRYLONITRILE (Stabilised) 99% Extra Pure | |
| CAS-No. | : 107-13-1 | |
| EC-No. | : 203-466-5 | |
| EC Index-No. | : 608-003-00-4 | |
| | | |

Full text of R- and H-statements: see section 16

| 3.2. | Mixtures | | | | |
|---------|----------|--|--|--|--|
| Not app | plicable | | | | |

| SECTION 4: First aid measures | |
|--|--|
| | |
| 4.1. Description of first aid measures | 8 |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | : Take off contaminated clothing. Gently wash with plenty of soap and water. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth out with water. If you feel unwell, seek medical advice. |
| 4.2. Most important symptoms and e | ffects, both acute and delayed |
| Symptoms/effects after inhalation | : Toxic if inhaled. May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Toxic in contact with skin. Causes skin irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Causes serious eye damage. |
| Symptoms/effects after ingestion | : Toxic if swallowed. |
| Chronic symptoms | : May cause cancer. |
| 4.3. Indication of any immediate med | lical attention and special treatment needed |
| Treat symptomatically. | |
| SECTION 5: Firefighting measures | |
| | |
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). earth, sand, dry chemical powder or foam. Water spray. |

| 5.2. | Special hazards arising from the | ne substance or mixture |
|------------------|----------------------------------|--|
| Fire ha | zard | : Highly flammable liquid and vapour. |
| Explosion hazard | | : May form flammable/explosive vapour-air mixture. |

: Do not use a heavy water stream. dry chemical powder.

Unsuitable extinguishing media

Safety Data Sheet

| Hazardous decomposition products in case of fire | : Thermal decomposition generates : Toxic fumes may be released. |
|--|---|
| 5.3. Advice for firefighters | |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. |
| SECTION 6: Accidental release measu | res |
| 6.1. Personal precautions, protect | ive equipment and emergency procedures |
| General measures | Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. |
| 6.1.1. For non-emergency personne | I de la construcción de la constru |
| Emergency procedures | : Evacuate unnecessary personnel. |
| 6.1.2. For emergency responders | |
| Protective equipment | : Use personal protective equipment as required. |
| Emergency procedures | : Ventilate area. |
| 6.2. Environmental precautions | |
| Toxic to aquatic life with long lasting effect | cts. |
| | |
| 6.3. Methods and material for cont | |
| Methods for cleaning up | : Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. |
| 6.4. Reference to other sections | |
| No additional information available | |
| SECTION 7: Handling and storage | |
| 7.1. Precautions for safe handling | |
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable. |
| Precautions for safe handling | No open flames. No smoking. Use only non-sparking tools. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. |
| 7.2. Conditions for safe storage, in | cluding any incompatibilities |
| Technical measures | Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. |
| Storage conditions | : Keep in fireproof place. Keep container tightly closed. |
| Incompatible materials | : Heat sources. |
| 7.3. Specific end use(s) | |
| No additional information available | |
| SECTION 8: Exposure controls/person | al protection |
| | |
| 8.1. Control parameters | |

No additional information available

Safety Data Sheet

| 8.2. Exposure controls | |
|--|---|
| Hand protection | : protective gloves |
| Eye protection | : Chemical goggles or safety glasses |
| Skin and body protection | : Wear suitable protective clothing |
| Respiratory protection | : Wear respiratory protection. |
| SECTION 9: Physical and chemical prop | erties |
| 9.1. Information on basic physical an Physical state | nd chemical properties : Liquid |
| Molecular mass Colour | : 53.06 g/mol : Clear Colorless. |
| Odour | : mild peach kernels. |
| Odour threshold | : 21.4 ppm |
| рН | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : -83 °C |
| Freezing point | : No data available |
| Boiling point | : 77.3 °C |
| Flash point | : 5 °C |
| Critical temperature Auto-ignition temperature | : 262.78 °C : 481 °C |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Flammable Highly flammable liquid and vapour. |
| Vapour pressure | : 11.1 kPa |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density Relative gas density Solubility | : 0.806 g/cm³ : 1.8 : Water: slightly soluble |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : 0.03 - 0.17 vol % |
| | |

| 9.2. | Other information |
|----------|-----------------------------|
| No addit | ional information available |

Safety Data Sheet

| SECTION 10: Stability and reactivity | | |
|---|---|--|
| 10.1. Reactivity | | |
| Flammable liquid and vapour. | | |
| | | |
| 10.2. Chemical stability | | |
| Highly flammable liquid and vapour. May | form flammable/explosive vapour-air mixture. | |
| 10.3. Possibility of hazardous reacti | ions | |
| No additional information available | | |
| | | |
| 10.4. Conditions to avoid | | |
| Open flame. Direct sunlight. | | |
| | | |
| 10.5. Incompatible materials | | |
| No additional information available | | |
| 10.6. Hazardous decomposition pro | ducts | |
| May release flammable gases. | | |
| , | | |
| SECTION 11: Toxicological information | | |
| <u> </u> | | |
| 11.1. Information on toxicological ef | | |
| Acute toxicity | : Toxic in contact with skin. Toxic if inhaled. Toxic if swallowed. | |
| | | |
| | | |
| Skin corrosion/irritation | : Causes skin irritation. | |
| Serious eye damage/irritation | : Causes serious eye damage. | |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. | |
| Germ cell mutagenicity | : Not classified | |
| Carcinogenicity | : May cause cancer. | |
| | | |
| Reproductive toxicity | : Not classified | |
| STOT-single exposure | : May cause respiratory irritation. | |
| | | |
| | | |
| STOT-repeated exposure | : Not classified | |
| | | |
| Aspiration hazard | : Not classified | |
| Aspirator nazara | | |
| | | |
| | | |
| Potential adverse human health effects | : Toxic if swallowed. Toxic in contact with skin. | |
| and symptoms | | |
| | | |
| SECTION 12: Ecological information | | |
| 12.1. Toxicity | | |
| Ecology - water | : Toxic to aquatic life with long lasting effects. | |
| | | |

Safety Data Sheet

| 12.2. Persistence and degradability | |
|--|--|
| ACRYLONITRILE (Stabilised) 99% Extra | |
| Persistence and degradability | May cause long-term adverse effects in the environment. |
| | |
| 12.3. Bioaccumulative potential | |
| No additional information available | |
| | |
| 12.4. Mobility in soil | |
| No additional information available | |
| | |
| 12.5. Results of PBT and vPvB asses | sment |
| No additional information available | |
| | |
| | |
| 12.6. Other adverse effects | |
| No additional information available | |
| SECTION 13: Disposal considerations | |
| 13.1. Waste treatment methods | |
| Product/Packaging disposal | : Dispose of contents/container to hazardous or special waste collection point, in |
| recommendations | accordance with local, regional, national and/or international regulation. |
| Additional information | : Handle empty containers with care because residual vapours are flammable. |
| Ecology - waste materials | : Hazardous waste due to toxicity. |
| SECTION 14: Transport information | |
| | |
| n accordance with ADR / RID / IMDG / IAT | ΓΑ / ADN |
| n accordance with ADR / RID / IMDG / IAT | |
| In accordance with ADR / RID / IMDG / IAT 14.1. UN number UN-No. (ADR) | : 1093 |
| In accordance with ADR / RID / IMDG / IAT 14.1. UN number UN-No. (ADR) UN-No. (IMDG) | : 1093 : 1093 |
| In accordance with ADR / RID / IMDG / IAT 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) | : 1093 : 1093 : 1093 |
| n accordance with ADR / RID / IMDG / IAT 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) | : 1093 : 1093 : 1093 : 1093 |
| n accordance with ADR / RID / IMDG / IAT I <mark>4.1. UN number</mark> JN-No. (ADR) JN-No. (IMDG) JN-No. (IATA) JN-No. (ADN) | : 1093 : 1093 : 1093 |
| n accordance with ADR / RID / IMDG / IAT I4.1. UN number JN-No. (ADR) JN-No. (IMDG) JN-No. (IATA) JN-No. (ADN) JN-No. (RID) | : 1093 : 1093 : 1093 : 1093 |
| n accordance with ADR / RID / IMDG / IAT 14.1. UN number JN-No. (ADR) JN-No. (IMDG) JN-No. (IATA) JN-No. (ADN) JN-No. (RID) 14.2. UN proper shipping name | : 1093 : 1093 : 1093 : 1093 |
| In accordance with ADR / RID / IMDG / IAT 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) | : 1093 : 1093 : 1093 : 1093 : 1093 |
| In accordance with ADR / RID / IMDG / IAT 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) | : 1093 : 1093 : 1093 : 1093 : 1093 : ACRYLONITRILE, STABILIZED |
| In accordance with ADR / RID / IMDG / IAT 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) | : 1093 : 1093 : 1093 : 1093 : 1093 : 1093 : ACRYLONITRILE, STABILIZED : ACRYLONITRILE, STABILIZED |
| In accordance with ADR / RID / IMDG / IAT 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) | 1093 1093 1093 1093 1093 1093 4CRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED Acrylonitrile, stabilized |
| n accordance with ADR / RID / IMDG / IAT 14.1. UN number JN-No. (ADR) JN-No. (IMDG) JN-No. (IATA) JN-No. (ADN) JN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) | 1093 1093 1093 1093 1093 1093 4CRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED |
| n accordance with ADR / RID / IMDG / IAT 14.1. UN number JN-No. (ADR) JN-No. (IMDG) JN-No. (IATA) JN-No. (ADN) JN-No. (ADN) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) Fransport document description (ADR) | 1093 1093 1093 1093 1093 1093 * ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED UN 1093 ACRYLONITRILE, STABILIZED, 3 (6.1), I, (C/E), ENVIRONMENTALLY |
| In accordance with ADR / RID / IMDG / IAT 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) | : 1093 : 4CRYLONITRILE, STABILIZED : ACRYLONITRILE, STABILIZED : UN 1093 ACRYLONITRILE, STABILIZED, 3 (6.1), I, (C/E), ENVIRONMENTALLY HAZARDOUS : UN 1093 ACRYLONITRILE, STABILIZED, 3 (6.1), I, MARINE |
| In accordance with ADR / RID / IMDG / IAT 14.1. UN number UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (ADN) UN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) Transport document description (ADR) Transport document description (IMDG) | 1093 1093 1093 1093 1093 1093 1093 * ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED UN 1093 ACRYLONITRILE, STABILIZED, 3 (6.1), I, (C/E), ENVIRONMENTALLY HAZARDOUS UN 1093 ACRYLONITRILE, STABILIZED, 3 (6.1), I, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (-5°C c.c.) |
| n accordance with ADR / RID / IMDG / IAT 14.1. UN number JN-No. (ADR) JN-No. (IMDG) JN-No. (IATA) JN-No. (ADN) JN-No. (ADN) JN-No. (RID) 14.2. UN proper shipping name Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (RID) Fransport document description (IMDG) Fransport document description (IATA) | 1093 1093 1093 1093 1093 1093 1093 ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED ACRYLONITRILE, STABILIZED UN 1093 ACRYLONITRILE, STABILIZED, 3 (6.1), I, (C/E), ENVIRONMENTALLY HAZARDOUS UN 1093 ACRYLONITRILE, STABILIZED, 3 (6.1), I, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (-5°C c.c.) UN 1093 ACRYLONITRILE, STABILIZED, 3 (6.1), I, ENVIRONMENTALLY HAZARDOUS UN 1093 ACRYLONITRILE, STABILIZED, 3 (6.1), I, ENVIRONMENTALLY HAZARDOUS |

ACRYLONITRILE (Stabilised) 99% Extra Pure Safety Data Sheet

| Transport hazard class(es) (ADR) Danger labels (ADR) | : 3 (6.1) : 3, 6.1 | |
|---|-----------------------|-----------------|
| | : 🔺 🔅 🔿 | |
| | | > |
| | | |
| IMDG | | |
| Transport hazard class(es) (IMDG) Danger labels (IMDG) | : 3 (6.1) : 3, 6.1 | |
| | | > |
| | | |
| IATA | . 2 (6 1) | |
| Transport hazard class(es) (IATA) Hazard labels (IATA) | : 3 (6.1) : 3, 6.1 | |
| | | |
| | | > |
| ADN | | |
| Transport hazard class(es) (ADN) | : 3 (6.1) | |
| Danger labels (ADN) | : 3, 6.1 | |
| | | |
| | | > |
| RID | | |
| Transport hazard class(es) (RID) | : 3 (6.1) | |
| Danger labels (RID) | : 3, 6.1 | |
| | | > |
| 14.4. Packing group | | |
| Packing group (ADR) | : 1 | |
| Packing group (IMDG) | : 1 | |
| Packing group (IATA) | : 1 | |
| Packing group (ADN) Packing group (RID) | : I : I | |
| | | |
| 14.5. Environmental hazards | | |
| Dangerous for the environment | : Yes | |
| www.Labogens.com | | 10/04/2019 8/12 |

Safety Data Sheet

Marine pollutant

Other information

- YesNo supplementary information available
- 14.6. Special precautions for user

| - Overland transport | |
|---|----------------------|
| Classification code (ADR) | : FT1 |
| Limited quantities (ADR) | : 0 |
| Excepted quantities (ADR) | : E0 |
| Packing instructions (ADR) | : P001 |
| Mixed packing provisions (ADR) | : MP7, MP17 |
| Portable tank and bulk container instructions (ADR) | : T14 |
| Portable tank and bulk container special provisions (ADR) | : TP2 |
| Tank code (ADR) | : L10CH |
| Tank special provisions (ADR) | : TU14, TU15, TE21 |
| Vehicle for tank carriage | : FL |
| Transport category (ADR) | : 1 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13, CV28 |
| Special provisions for carriage - Operation (ADR) | : S2, S22 |
| Hazard identification number (Kemler No.) | : 336 |
| Orange plates | 336 |
| | 1093 |
| Tunnel restriction code (ADR) | : C/E |
| EAC code | : •3WE |
| APP code | : A(fl) |
| Trevenent by eac | () |
| - Transport by sea | . 0 |
| Limited quantities (IMDG) | : 0 |
| Excepted quantities (IMDG) | : E0 |
| Packing instructions (IMDG) | : P001 |
| Tank instructions (IMDG) | : T14 |
| Tank special provisions (IMDG) | : TP2, TP13 : F-F |
| EmS-No. (Fire) | = |
| EmS-No. (Spillage) | : S-D |
| Stowage category (IMDG) | : E |
| Stowage and handling (IMDG) | : SW2 |
| Flash point (IMDG) | : -5°C c.c. |
| MFAG-No | : 131P |
| - Air transport | |
| PCA Excepted quantities (IATA) | : E0 |
| PCA Limited quantities (IATA) | : Forbidden |
| PCA limited quantity max net quantity | : Forbidden |
| (IATA) | |
| PCA packing instructions (IATA) | : Forbidden |
| PCA max net quantity (IATA) | : Forbidden |
| CAO packing instructions (IATA) | : 361 |
| CAO max net quantity (IATA) | : 30L |
| ERG code (IATA) | : 3P |
| | |

Safety Data Sheet

| Inland waterway transport | |
|---|--------------------------------|
| Classification code (ADN) | : FT1 |
| Special provisions (ADN) | : 802 |
| Limited quantities (ADN) | : 0 |
| Excepted quantities (ADN) | : E0 |
| Carriage permitted (ADN) | : T |
| Equipment required (ADN) | : PP, EP, EX, TOX, A |
| Ventilation (ADN) | : VE01, VE02 |
| Number of blue cones/lights (ADN) | : 2 |
| - Rail transport | |
| Classification code (RID) | : FT1 |
| Limited guantities (RID) | : 0 |
| Excepted quantities (RID) | : E0 |
| Packing instructions (RID) | : P001 |
| o | |
| Mixed packing provisions (RID) | : MP7, MP17 |
| Portable tank and bulk container instructions (RID) | : T14 |
| Portable tank and bulk container special provisions (RID) | : TP2 |
| Tank codes for RID tanks (RID) | : L10CH |
| Special provisions for RID tanks (RID) | : TU14, TU15, TU38, TE21, TE22 |
| Transport category (RID) | : 1 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW28 |
| Hazard identification number (RID) | : 336 |
| | |

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

ACRYLONITRILE (Stabilised) 99% Extra Pure is not on the REACH Candidate List ACRYLONITRILE (Stabilised) 99% Extra Pure is not on the REACH Annex XIV List

15.1.2. National regulations

| Germany | |
|---|---|
| Reference to AwSV | : Water hazard class (WGK) 3, Highly hazardous to water (Classification according to AwSV; ID No. 10) |
| 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV | : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) |

Netherlands

SZW-lijst van kankerverwekkende stoffen : ACRYLONITRILE (Stabilised) 99% Extra Pure is listed

Safety Data Sheet

| SZW-lijst van mutagene stoffen | : The substance is not listed |
|---|--|
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding | : The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid | : The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling | : The substance is not listed |
| Denmark | |
| Class for fire hazard | : Class I-1 |
| Store unit | : 1 liter |
| Classification remarks | : F <flam. 2="" liq.="">; Emergency management guidelines for the storage of flammable liquids must be followed</flam.> |
| Recommendations Danish Regulation | : Young people below the age of 18 years are not allowed to use the product |
| | Pregnant/breastfeeding women working with the product must not be in direct contact with the product |
| | The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal |
| | |

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-statements:

| Full text of R-, H- and EUH-sta | |
|---------------------------------|--|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Carc. 1B | Carcinogenicity, Category 1B |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H225 | Highly flammable liquid and vapour. |
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H331 | Toxic if inhaled. |
| H335 | May cause respiratory irritation. |
| H350 | May cause cancer. |
| H411 | Toxic to aquatic life with long lasting effects. |
| R11 | Highly flammable |
| R23/24/25 | Toxic by inhalation, in contact with skin and if swallowed |
| R37/38 | Irritating to respiratory system and skin |
| | |

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| R41 | Risk of serious damage to eyes |
|--------|--|
| R43 | May cause sensitisation by skin contact |
| R45 | May cause cancer |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| F | Highly flammable |
| N | Dangerous for the environment |
| Т | Toxic |
| Xi | Irritant |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.