

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations SDS ID: 8169314 Issue date: 31.07.2017 Revision date: 18.12.2023 Version: 1.1

| 1.1. Identification  |  |   |  |  |
|--|--|---|--|--|
| Product form<br>Substance name<br>CAS-No.<br>Product code<br>Formula<br>Synonyms   | : 68259-15-<br>: 8169-3-14<br>: C7H4F13I | erfluorohexanes<br>4<br>NO2S  | ulfonamide<br>idecafluoro-N-methyl-1-hexanesulfonamide   |  |
| 1.2. Recommended use and restrictions of   | on use                                   |   |  |  |
| Jse of the substance/mixture   |  | y chemicals<br>ure of substances<br>research and dev                    |  |  |
| 1.3. Supplier  |  |   |  |  |
| SynQuest Laboratories, Inc. Inc.<br>P.O. Box 309<br>Alachua, FL, Alachua, 32615<br>United States of America<br>T (386) 462-0788 - F (386) 462-7097<br>info@synquestlabs.com - www.synquestlabs.com   | <u>1</u>                                 |   |  |  |
|  |  |   |  |  |
| 1.4. Emergency telephone number  |  |   |  |  |
|  | : (844) 523-                             | -4086 (3E Compa   | any - Account 10069)   |  |
| Emergency number   | : (844) 523-                             | -4086 (3E Compa   | any - Account 10069)   |  |
| Emergency number SECTION 2: Hazard(s) identification   |  | -4086 (3E Compa   | any - Account 10069)   |  |
| Emergency number<br>SECTION 2: Hazard(s) identification<br>2.1. Classification of the substance or m   |  | -4086 (3E Compa   | any - Account 10069)   |  |
| Emergency number<br>SECTION 2: Hazard(s) identification<br>2.1. Classification of the substance or mi<br>GHS US classification<br>Acute toxicity (oral) Category 4<br>Acute toxicity (dermal) Category 4<br>Acute toxicity (inhalation) Category 4<br>Skin corrosion/irritation Category 2<br>Serious eye damage/eye irritation Category 2A<br>Skin sensitization, category 1B<br>Specific target organ toxicity – Single exposure, C<br>Respiratory tract irritation  | ixture                                   | -4086 (3E Compa<br>H302<br>H312<br>H332<br>H315<br>H319<br>H317<br>H335 | any - Account 10069)<br>Harmful if swallowed<br>Harmful in contact with skin<br>Harmful if inhaled<br>Causes skin irritation<br>Causes serious eye irritation<br>May cause an allergic skin reaction<br>May cause respiratory irritation |  |
| Emergency number<br>SECTION 2: Hazard(s) identification<br>2.1. Classification of the substance or mi<br>GHS US classification<br>Acute toxicity (oral) Category 4<br>Acute toxicity (dermal) Category 4<br>Acute toxicity (inhalation) Category 4<br>Skin corrosion/irritation Category 2<br>Serious eye damage/eye irritation Category 2A<br>Skin sensitization, category 1B<br>Specific target organ toxicity – Single exposure, C<br>Respiratory tract irritation<br>Full text of H statements : see section 16  | ixture<br>Category 3,                    | H302<br>H312<br>H332<br>H315<br>H319<br>H317<br>H335                    | Harmful if swallowed<br>Harmful in contact with skin<br>Harmful if inhaled<br>Causes skin irritation<br>Causes serious eye irritation<br>May cause an allergic skin reaction   |  |
| <ul> <li>1.4. Emergency telephone number</li> <li>Emergency number</li> <li>SECTION 2: Hazard(s) identification</li> <li>2.1. Classification of the substance or mides</li> <li>GHS US classification</li> <li>Acute toxicity (oral) Category 4</li> <li>Acute toxicity (dermal) Category 4</li> <li>Acute toxicity (inhalation) Category 4</li> <li>Acute toxicity (inhalation) Category 4</li> <li>Skin corrosion/irritation Category 2</li> <li>Serious eye damage/eye irritation Category 2A</li> <li>Skin sensitization, category 1B</li> <li>Specific target organ toxicity – Single exposure, C</li> <li>Respiratory tract irritation</li> <li>Full text of H statements : see section 16</li> <li>2.2. GHS Label elements, including preca</li> <li>GHS US labeling</li> <li>Hazard pictograms (GHS US)</li> </ul> | ixture<br>Category 3,                    | H302<br>H312<br>H332<br>H315<br>H319<br>H317<br>H335                    | Harmful if swallowed<br>Harmful in contact with skin<br>Harmful if inhaled<br>Causes skin irritation<br>Causes serious eye irritation<br>May cause an allergic skin reaction   |  |

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|                                     | H317 - May cause an allergic skin reaction<br>H319 - Causes serious eye irritation<br>H335 - May cause respiratory irritation |
|-------------------------------------|---|
| Precautionary statements (GHS US) : | P261 - Avoid breathing dust, mist, spray.   |
|                                     | P264 - Wash skin thoroughly after handling<br>P270 - Do not eat, drink or smoke when using this product.                      |
|                                     | P271 - Use only outdoors or in a well-ventilated area.  |
|                                     | P272 - Contaminated work clothing must not be allowed out of the workplace.   |
|                                     | P280 - Wear protective gloves/protective clothing/eye protection/face protection.   |
|                                     | P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell  |
|                                     | P302+P352 - If on skin: Wash with plenty of soap and water  |
|                                     | 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 or doctor/physician if you feel unwell  |
|                                     | P321 - Specific treatment (see supplemental first aid instructions on this label)   |
|                                     | P330 - Rinse mouth.   |
|                                     | P332+P313 - If skin irritation occurs: Get medical advice/attention.  |
|                                     | P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  |
|                                     | P337+P313 - If eye irritation persists: Get medical advice/attention.   |
|                                     | P362+P364 - Take off contaminated clothing and wash it before reuse.  |
|                                     | P363 - Wash contaminated clothing before reuse.   |
|                                     | P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  |
|                                     | P405 - Store locked up.   |
|                                     | P501 - Dispose of contents/container to an approved waste disposal plant  |

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

## **SECTION 3: Composition/Information on ingredients**

#### 3.1. Substances

Substance type

: Mono-constituent

| Name   | Product identifier  | %     | GHS US classification   |
|--|---------------------|-------|---|
| N-Methylperfluorohexanesulfonamide<br>(Main constituent) | CAS-No.: 68259-15-4 | ≤ 100 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Inhalation), H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2A, H319<br>Skin Sens. 1B, H317<br>STOT SE 3, H335 |

Full text of hazard classes and H-statements : see section 16

## 3.2. Mixtures

Not applicable

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| SECTION 4: First-aid measures               |   |  |
|---|---|--|
| 4.1. Description of first aid measures      |   |  |
| First-aid measures general                  | : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.          |  |
| First-aid measures after inhalation         | <ul> <li>Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial<br/>respiration. Get immediate medical advice/attention.</li> </ul>       |  |
| First-aid measures after skin contact       | : Wash with plenty of soap and water. Get immediate medical advice/attention.   |  |
| First-aid measures after eye contact        | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. |  |
| First-aid measures after ingestion          | : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention.                                |  |
| 4.2. Most important symptoms and effects (  | acute and delayed)  |  |
| Symptoms/effects                            | : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.  |  |
| 4.3. Immediate medical attention and specia | I treatment, if necessary   |  |

Treat symptomatically.

| SECTION 5: Fire-fighting measures                           |   |  |
|---|---|--|
| 5.1. Suitable (and unsuitable) extinguishin                 | g media   |  |
| Suitable extinguishing media                                | : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.  |  |
| 5.2. Specific hazards arising from the cher                 | nical   |  |
| Fire hazard   | : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides. Sulfur oxides.  |  |
| 5.3. Special protective equipment and pre-                  | cautions for fire-fighters  |  |
| Firefighting instructions<br>Protection during firefighting | <ul> <li>In case of fire: Evacuate area.</li> <li>Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".</li> </ul> |  |

| SECTION 6: Accidental release measures                                   |   |  |
|--|---|--|
| 6.1. Personal precautions, protective equipment and emergency procedures |   |  |
| General measures   | : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.   |  |
| 6.1.1. For non-emergency personnel                                       |   |  |
| Emergency procedures   | : Only qualified personnel equipped with suitable protective equipment may intervene.   |  |
| 6.1.2. For emergency responders  |   |  |
| Protective equipment   | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |  |
| 6.2. Environmental precautions   |   |  |

## Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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| 6.3. Methods and material for conta                             | inment and cleaning up  |
|---|---|
| For containment<br>Methods for cleaning up<br>Other information | <ul> <li>Stop leak if safe to do so.</li> <li>Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.</li> <li>For disposal of solid materials or residues refer to section 13 : "Disposal considerations".</li> </ul> |
| 6.4. Reference to other sections                                |   |

No additional information available

| SECTION 7: Handling and storage             |  |
|---|--|
| 7.1. Precautions for safe handling          |  |
| Precautions for safe handling               | : Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes. |
| Hygiene measures                            | : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or<br>smoke when using this product. Always wash hands after handling the product.  |
| 7.2. Conditions for safe storage, including | ng any incompatibilities   |
| Technical measures                          | : Comply with applicable regulations.  |
| Storage conditions                          | : Keep container closed when not in use. Keep away from ignition sources. Keep contents under inert gas.   |
| Incompatible materials                      | : Refer to Section 10 on Incompatible Materials.   |
| Storage temperature                         | : 2 – 8 °C   |

### **SECTION 8: Exposure controls/personal protection**

| 8.1. Control parameters              |   |
|--------------------------------------|---|
| N-Methylperfluorohexanesulfonami     | de (68259-15-4)   |
| No additional information available  |   |
| 8.2. Appropriate engineering control | S   |
| Appropriate engineering controls     | : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |

: Store in dry, cool, well-ventilated area.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Storage area

protective gloves. 29 CFR 1910.138: Hand Protection

#### Eye protection:

Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection

#### Skin and body protection:

Wear suitable protective clothing

#### **Respiratory protection:**

In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection

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Personal protective equipment symbol(s):



#### Other information:

Safety shoes. 29 CFR 1910.136: Foot Protection.

## **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

| Physical state                                  | : Solid             |
|---|---------------------|
| Color   | : No data available |
| Odor  | : No data available |
| Odor threshold                                  | : No data available |
| PH  | : No data available |
| ,<br>Melting point                              | : No data available |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Relative evaporation rate (butyl acetate=1)     | : No data available |
| Flammability (solid, gas)                       | : No data available |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20 °C                 | : No data available |
| Relative density                                | : No data available |
| Molecular mass                                  | : 413,16 g/mol      |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosion limits                                | : No data available |
| Explosive properties                            | : No data available |
| Oxidizing properties                            | : No data available |
|   |                     |

#### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

**10.2. Chemical stability** 

The product is stable at normal handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

No additional information available

#### **10.4. Conditions to avoid**

Keep away from heat, sparks and flame.

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#### **10.5. Incompatible materials**

#### Strong oxidizing agents.

#### **10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

## **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

| Acute toxicity (oral)             | : Harmful if swallowed.  |
|-----------------------------------|--|
| Acute toxicity (dermal)           | : Harmful in contact with skin.  |
| Acute toxicity (inhalation)       | : Harmful if inhaled.  |
| Skin corrosion/irritation         | : Causes skin irritation.  |
| Serious eye damage/irritation     | : Causes serious eye irritation.   |
| Respiratory or skin sensitization | : May cause an allergic skin reaction.   |
| Germ cell mutagenicity            | : Not classified   |
| Carcinogenicity                   | : Not classified   |
| Reproductive toxicity             | : Not classified   |
| STOT-single exposure              | : May cause respiratory irritation.  |
| STOT-repeated exposure            | : Not classified   |
| Aspiration hazard                 | : Not classified   |
| Viscosity, kinematic              | : No data available  |
| Symptoms/effects                  | : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. |

## **SECTION 12: Ecological information**

#### 12.1. Toxicity

#### No additional information available

| 12.2. Persistence and degradability |   |
|-------------------------------------|---|
| N-Methylperfluorohexanesulfonami    | de (68259-15-4)   |
| Persistence and degradability       | Not readily biodegradable. May cause long-term adverse effects in the environment. PBT - Persistent, Bioaccumulative and Toxic. |
| 12.3. Bioaccumulative potential     |   |
| N-Methylperfluorohexanesulfonami    | de (68259-15-4)   |
| Bioaccumulative potential           | Perfluorinated alkanes (PFAs, "forever chemicals") are long lasting, widely used chemicals that                                 |

| ioaccumulative potential | Perfluorinated alkanes (PFAs, "forever chemicals") are long lasting, widely used chemicals that |
|--------------------------|---|
|                          | break down slowly over time. The potential hazards of PFAs are under investigation and have     |
|                          | not been established.   |

### 12.4. Mobility in soil

No additional information available

#### **12.5. Other adverse effects**

#### No additional information available

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### **SECTION 13: Disposal considerations**

#### 13.1. Disposal methods

Waste treatment methods Sewage disposal recommendations Product/Packaging disposal recommendations Additional information Ecology - waste materials

- : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
- : See the EPA's Interim Guidance on PFAS Destruction and Disposal.

Dispose of contents/container in accordance with licensed collector's sorting instructions. Recycle the material as far as possible.

 This material is considered to be a "Forever chemical". Prevent any possible release to the environment. Do not discharge into drains. Take all necessary measures to prevent accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems, or emergency response.

### **SECTION 14: Transport information**

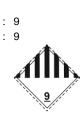
| 14.1. UN number  |   |
|--|---|
| DOT NA No<br>UN-No. (TDG)<br>UN-No. (IMDG)<br>UN-No. (IATA)  | : UN3077<br>: Not applicable<br>: 3077<br>: 3077  |
| 14.2. UN proper shipping name  |   |
| Proper Shipping Name (DOT)<br>Proper Shipping Name (TDG)<br>Proper Shipping Name (IMDG)<br>Proper Shipping Name (IATA) | <ul> <li>Environmentally hazardous substances, solid, n.o.s.</li> <li>Not applicable</li> <li>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</li> <li>Environmentally hazardous substance, solid, n.o.s.</li> </ul> |
| 14.3. Transport hazard class(es)   |   |
| DOT<br>Transport hazard class(es) (DOT)<br>Hazard labels (DOT)   | : 9<br>: 9  |
| TDG<br>Transport hazard class(es) (TDG)  | : Not applicable  |

### IMDG

Transport hazard class(es) (IMDG) Hazard labels (IMDG)

#### IATA

| Transport hazard class(es) (IATA) |  |
|-----------------------------------|--|
| Hazard labels (IATA)              |  |



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| 14.4. Packing group  |   |
|--|---|
| Packing group (DOT)<br>Packing group (TDG)<br>Packing group (IMDG)<br>Packing group (IATA) | : III<br>: Not applicable<br>: III<br>: III |
| 14.5. Environmental hazards  |   |
| Other information  | : No supplementary information available.   |
| 14.6. Special precautions for user   |   |
| DOT<br>UN-No.(DOT)   | : UN3077                                    |

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| DOT Special Provisions (49 CFR 172.102)  | <ul> <li>8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies.</li> <li>146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.</li> <li>335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging.</li> <li>384 - For transportation by motor vehicle, substances meeting the conditions for high viscosity flammable liquids as prescribed in §173.121(b)(1)(i), (b)(1)(ii), and (b)(1)(iv) of this subchapter, may be reassigned to Packing Group III under the following conditions: A112 - Notwithstanding the quantity limits shown in Column (9A) and (9B) for this entry, the following IBCs are authorized for transportation aboard passenger and cargo-only aircraft. Each IBC may not exceed a maximum net quantity of 1,000 kg:</li> <li>a. Metal: 11A, 11B, 11N, 21A, 21B and 21N</li> <li>b. Rigid plastics: 11H1, 11H2, 21H1 and 21H2</li> </ul> |
|--|--|
|  | <ul> <li>c. Composite with plastic inner receptacle: 11HZ1, 11HZ2, 21HZ1 and 21HZ2</li> <li>d. Fiberboard: 11G</li> <li>e. Wooden: 11C, 11D and 11F (with inner liners)</li> <li>f. Flexible: 13H2, 13H3, 13H4, 13H5, 13L2, 13L3, 13L4, 13M1 and 13M2 (flexible IBCs must be sift-proof and water resistant or must be fitted with a sift-proof and water resistant liner).</li> <li>B54 - Open-top, sift-proof rail cars are also authorized.</li> <li>B120 - The use of flexible bulk containers conforming to the requirements in subpart R and subpart S of part 178 of this subchapter is permitted.</li> <li>IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 10H4, 41PLF, 14H4, 014, 014, 014, 014, 014, 014, 014, 01</li></ul>   |
|  | <ul> <li>13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).</li> <li>IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner.</li> <li>N20 - A 5M1 multi-wall paper bag is authorized if transported in a closed transport vehicle.</li> <li>N91 - The use of a non specification sift-proof, non-bulk, metal can with or without lid, or a non specification sift-proof, non-bulk fiber drum, with or without lid is authorized when transporting coal tar pitch compounds by motor vehicle or rail freight. The fiber drum must to be fabricated with a three ply wall, as a minimum. The coal tar pitch compound must be in a solid mass during transportation.</li> <li>T1 - 1.5 178.274(d)(2) Normal</li></ul>   |
|  | powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.   |
| DOT Packaging Exceptions (49 CFR 173.xxx)<br>DOT Packaging Non Bulk (49 CFR 173.xxx)<br>DOT Packaging Bulk (49 CFR 173.xxx)<br>DOT Quantity Limitations Passenger aircraft/rail (49<br>CFR 173.27) | : 155<br>: 213<br>: 240<br>: No limit  |

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| DOT Quantity Limitations Cargo aircraft only (49<br>CFR 175.75) | : No limit  |
|---|---|
| DOT Vessel Stowage Location                                     | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel. |
| TDG<br>No data available  |   |
| IMDG  |   |
| Special provision (IMDG)  | : 274, 335, 966, 967, 969   |
| Limited quantities (IMDG)                                       | : 5 kg  |
| Excepted quantities (IMDG)                                      | : E1  |
| Packing instructions (IMDG)                                     | : LP02, P002  |
| Packing provisions (IMDG)                                       | : PP12  |
| IBC packing instructions (IMDG)                                 | : IBC08   |
| IBC special provisions (IMDG)                                   | : B3  |
| Tank instructions (IMDG)  | : BK1, BK2, BK3, T1   |
| Tank special provisions (IMDG)                                  | : TP33  |
| EmS-No. (Fire)  | : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE  |
| EmS-No. (Spillage)  | : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS                                     |
| Stowage category (IMDG)   | : A   |
| ΙΑΤΑ  |   |
| PCA Excepted quantities (IATA)                                  | : E1  |
| PCA Limited quantities (IATA)                                   | : Y956  |
| PCA limited quantity max net quantity (IATA)                    | : 30kgG   |
| PCA packing instructions (IATA)                                 | : 956   |
| PCA max net quantity (IATA)                                     | : 400kg   |
| CAO packing instructions (IATA)                                 | : 956   |
| CAO max net quantity (IATA)                                     | : 400kg   |
| Special provision (IATA)  | : A97, A158, A179, A197, A215   |
| ERG code (IATA)   | : 9L  |

### 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. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### **15.2. International regulations**

## CANADA

N-Methylperfluorohexanesulfonamide (68259-15-4)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

N-Methylperfluorohexanesulfonamide (68259-15-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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#### **National regulations**

#### N-Methylperfluorohexanesulfonamide (68259-15-4)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## **SECTION 16: Other information**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 18.12.2023

| Full text of H-ph                                       | rases   |  |
|---|---|--|
| H302  | Harmful if swallowed  |  |
| H312  | Harmful in contact with skin  |  |
| H315  | Causes skin irritation  |  |
| H317  | May cause an allergic skin reaction   |  |
| H319  | Causes serious eye irritation   |  |
| H332  | Harmful if inhaled  |  |
| H335  | May cause respiratory irritation  |  |
| NFPA health haza<br>NFPA fire hazard<br>NFPA reactivity | <ul> <li>rd</li> <li>: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.</li> <li>: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.</li> <li>: 0 - Material that in themselves are normally stable, even under fire conditions.</li> </ul> |  |
| Hazard Rating<br>Health<br>Flammability<br>Physical     | <ul> <li>3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given</li> <li>0 Minimal Hazard - Materials that will not burn</li> <li>0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.</li> </ul>         |  |

Safety Data Sheet (SDS), USA