SAFETY DATA SHEET



Precision V 372DE

Section 1. Identification

| Product identifier | ÷ | Precision V 372DE |
|----------------------------------|---|---|
| Product code | : | 372DE-G, 372DE-5G, 372DE-54G |
| Other means of identification | : | Vapor Degreasers Industrial/Professional use |
| Product type | ÷ | Liquid. |

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

| Identified uses | |
|---|--|
| Vapor degreasing solvent | |
| Uses advised against Not applicable. | |
| Supplier's details | : Techspray 8125 Cobb Center Drive Kennesaw, GA 30152 Tel: 678-819-1408 Toll free: 1-800-858-4043 Fax: 1 806-372-8750 |

| Emergency telephone | : Chemtrec - 1-800-424-9300 |
|-----------------------|---|
| number (with hours of | CANUTEC (Canadian Transportation): (613) 996-6666 |
| operation) | Emergency phone: (800) 858-4043 |

Section 2. Hazard identification

| Classification of the | : ACUTE TOXICITY (oral) - Category 4 |
|-----------------------|--------------------------------------|
| substance or mixture | SKIN IRRITATION - Category 2 |
| | EYE IRRITATION - Category 2A |

4

| | GHS | label | elements |
|--|-----|-------|----------|
|--|-----|-------|----------|

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|----|----------|----|---------|---|
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| | • |
|--------------------------|--|
| Signal word | : Warning |
| Hazard statements | : Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. |
| Precautionary statements | |
| Prevention | : Wear protective gloves. Wear eye or face protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. |
| Response | : IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. |
| Storage | : Not applicable. |
| Disposal | : Dispose of contents and container in accordance with all local, regional, national and international regulations. |

Section 2. Hazard identification

Supplemental label elements

: Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 38%

Section 3. Composition/information on ingredients

| Substance/mixture | : Mixture |
|-------------------|-----------------------------|
| Other means of | : Vapor Degreasers |
| identification | Industrial/Professional use |

| Ingredient name | Synonyms | % (w/w) | CAS number |
|---|---|---------|-----------------|
| Butane, 1,1,1,2,2,3,3,4,4-nonafluoro- 4-methoxy- | 1-methoxy 1,1,2,2,3,3,4,4,4-nonafluorobutane; 1,1,1,2,2,3,3,4,4-nonafluoro- 4-methoxybutane; HFE-449sl; HFE- 7100; methyl nonafluorobutyl ether; 1,1,1,2,2,3,3,4,4-nonafluoro- 4-methoxy-butane; HFE-7100; HFE- 449sl; HFE-449s1; n-HFE-7100; 1-methoxy 1,1,2,2,3,3,4,4,4 nonafluorobutane; methyl nona fluoro butyl ether | 1 - 5 | 163702-07-6 |
| Propane, 2-(difluoromethoxymethyl) -1,1,1,2,3,3,3-heptafluoro- | 2-[difluoro(methoxy)methyl] -1,1,1,2,3,3,3-heptafluoropropane; 1,1,2,3,3,3-hexafluoro-2- (trifluoromethyl)propyl methyl ether; 2-(difluoromethoxymethyl) -1,1,1,2,3,3,3-heptafluoropropane; i- HFE-7100; Mixture of 1,1,1,2,2,3,3,4,4-nonafluoro- 4-methoxybutane and 1-methoxy-2- (trifluoromethyl) -1,1,2,3,3,3-hexafluoropropane, which consist of 1-methoxy-2- (trifluoromethyl) -1,1,2,3,3,3-hexafluoropropane as a major component; 1-methoxy 1,1,2,3,3,3-hexafluoro trifluorobutane; HFE-7100; methyl-perfluoro-isobutyl- ether | 5 - 10 | 163702-08-7 |
| Butane, 1-ethoxy- 1,1,2,2,3,3,4,4,4-nonafluoro- | 1-ethoxy- 1,1,2,2,3,3,4,4,4-nonafluorobutane; azeotrope mixtures containing isomers of nonafluorobutyl methyl ether (CAS RN 163702-07-6) and/or nonafluorobutyl ethyl ether (CAS RN 163702-07-6); ethyl nonafluorobutyl ether; HFE-569sf2; HFE-7200; HFE- 7200; ethoxy-nonafluorobutane; HFE 7200; ETHYL PERFLUOROBUTYL ETHER; HFE-569sf2; n-HFE-7200; Ethyl nonafluorobutyl ether; Fluorocarbon type inactive liquid | 1 - 10 | 163702-05-4 |
| Propane, 2-(ethoxydifluoromethyl) -1,1,1,2,3,3,3-heptafluoro- | 1-ethoxy-1,1,2,3,3,3-hexafluoro-2- (trifluoromethyl)propane; ethyl 1,1,2,3,3,3-hexafluoro-2- (trifluoromethyl)propyl ether; 2- (ethoxydifluoromethyl) -1,1,1,2,3,3,3-heptafluoropropane; ETHYL PERFLUOROISOBUTYL | 10 - 20 | 163702-06-5 |
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Section 3. Composition/information on ingredients

| | ······································ | |
|----------------------------|---|----------|
| | ETHER; i-HFE-7200; Mixture of 1,1,1,2,2,3,3,4,4-nonafluoro- 4-ethoxybutane and 1-ethoxy-2- (trifluoromethyl) -1,1,2,3,3,3-hexafluoropropane, which consist of 1-ethoxy-2- (trifluoromethyl) -1,1,2,3,3,3-hexafluoropropane as a major component; ETHYL NONAFLUOROISOBUTYL ETHER | |
| trans-1,2-Dichloroethylene | Ethene, 1,2-dichloro-, (1E)-; Ethene, ≥60 - ≤80 1,2-dichloro-, (E)-; Ethylene, 1,2-dichloro-, (E)-; DICHLOROETHYLENE-TRANS; ETHENE, 1,2-DICHLORO- (E); 1,2-DICHLOROETHYLENE; 1,2-trans-Dichloroethylene; ETHENE, TRANS-1,2-DICHLORO-; Dichloroethylene; 1,2-Dichlorethylene; (1E) -1,2-Dichloroethene | 156-60-5 |

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-aid measures

| Description of necess | ary first aid measures |
|-----------------------|--|
| Eye contact | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
| Inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| Skin contact | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Most important sympt | toms/effects, acute and delayed |

| Potential acute health effe | | | | | |
|--------------------------------|--------------|------------------------|-------------|-------------|------|
| Eye contact | : Causes ser | ious eye irritation. | | | |
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Section 4. First-aid measures

| Inhalation | : No known significant effects or critical hazards. |
|----------------------------|---|
| Skin contact | : Causes skin irritation. |
| Ingestion | : Harmful if swallowed. |
| Over-exposure signs/sym | <u>ptoms</u> |
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | : No specific data. |
| Skin contact | : Adverse symptoms may include the following: irritation redness |
| Ingestion | : No specific data. |
| Indication of immediate me | dical attention and special treatment needed, if necessary |
| Notes to physician | : In case of inhalation of decomposition products in a fire, symptoms may be delayed The exposed person may need to be kept under medical surveillance for 48 hours. |
| Specific treatments | : No specific treatment. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

| Extinguishing media | |
|--|---|
| Suitable extinguishing media | : Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : None known. |
| Specific hazards arising from the chemical | : In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds carbonyl halides |
| Special protective actions for fire-fighters | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire-fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. | | | | | |
|--------------------------------|--|--|---------------------|---------|----|------|
| For emergency responders | informati | zed clothing is required to on in Section 8 on suitable on in "For non-emergency | and unsuitable mate | , | | |
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Section 6. Accidental release measures

| Environmental precautions Methods and materials for co | | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|---|---|---|
| Small spill | : | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| Large spill | : | Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

Section 7. Handling and storage

| Precautions for safe handling | g | |
|--|---|--|
| Protective measures | : | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| Advice on general occupational hygiene | : | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Conditions for safe storage, including any incompatibilities | : | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |

Section 8. Exposure controls/personal protection

Control parameters

| trans-1,2-Dichloroethylene | CA British Columbia Provincial (Canada, 1/2020). TWA: 200 ppm 8 hours. CA Quebec Provincial (Canada, 7/2019). TWAEV: 793 mg/m ³ 8 hours. |
|----------------------------|--|
| | TWAEV: 200 ppm 8 hours. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 200 ppm 8 hours. 8 hrs OEL: 793 mg/m ³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 250 ppm 15 minutes. TWA: 200 ppm 8 hours. |

Section 8. Exposure controls/personal protection

CA Ontario Provincial (Canada, 6/2019). TWA: 200 ppm 8 hours.

Biological exposure indices

No exposure indices known.

| Appropriate engineering controls | : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. | | |
|----------------------------------|---|--|--|
| Environmental exposure controls | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. | | |
| Individual protection meas | <u>ures</u> | | |
| Hygiene measures | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. | | |
| Eye/face protection | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. | | |
| Skin protection | | | |
| Hand protection | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. | | |
| Body protection | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. | | |
| Other skin protection | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. | | |
| Respiratory protection | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. | | |
| | | | |

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

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|--------------------------------|------------------------------------|-------------|--------|
| Melting point/freezing point | : Not available. | | |
| рН | : Not available. | | |
| Odor threshold | : Not available. | | |
| Odor | : Slight [Slight] | | |
| Color | : Colorless. | | |
| Physical state | : Liquid. [Liquid.] | | |
| Appearance | | | |
| | | | |

Section 9. Physical and chemical properties and safety characteristics

| Boiling point, initial boiling point, and boiling range | : 43°C (109.4°F) |
|---|---|
| Flash point | : Closed cup: >93.3°C (>199.9°F) [ASTM D 3278-96] |
| Flammability | : Not available. |
| Lower and upper explosion limit/flammability limit | : Lower: 7.3% [ASTM E 681] Upper: 15% [ASTM E 681] |
| Vapor pressure | : Not available. |
| Relative vapor density | : Not available. |
| Relative density | : 1.28 |
| Density | : 1.28 g/cm ³ |
| Solubility in water | : Not available. |
| Partition coefficient: n- octanol/water | : Not applicable. |
| Auto-ignition temperature | : 396°C (744.8°F) |
| Decomposition temperature | : Not available. |
| Viscosity | : Not available. |

| Particle characteristics | |
|--------------------------|-------------------|
| Median particle size | : Not applicable. |

Section 10. Stability and reactivity

| Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
|------------------------------------|--|
| Chemical stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : No specific data. |
| Incompatible materials | : No specific data. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|----------------------------|----------------------|---------|------------|----------|
| trans-1,2-Dichloroethylene | LC50 Inhalation Gas. | Rat | 24100 ppm | 4 hours |
| | LD50 Dermal | Rabbit | >5 g/kg | - |
| | LD50 Oral | Rat | 1235 mg/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|----------------------------|--|------------------|-------|-----------------------------|-------------|
| trans-1,2-Dichloroethylene | Eyes - Moderate irritant Skin - Moderate irritant | Rabbit Rabbit | - | 10 mg 24 hours 500 mg | - |

Sensitization

Not available.

Section 11. Toxicological information

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely : Not available. routes of exposure

Potential acute health effects

| Eye contact | : Causes serious eye irritation. |
|--------------|---|
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : Causes skin irritation. |
| Ingestion | : Harmful if swallowed. |

Symptoms related to the physical, chemical and toxicological characteristics

| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
|--------------|--|
| Inhalation | : No specific data. |
| Skin contact | : Adverse symptoms may include the following: irritation redness |
| Ingestion | : No specific data. |

Delayed and immediate effects and also chronic effects from short and long term exposure

| <u>Short term exposure</u> | | |
|--------------------------------|-----|---|
| Potential immediate effects | 1 | Not available. |
| Potential delayed effects | : | Not available. |
| Long term exposure | | |
| Potential immediate effects | : | Not available. |
| Potential delayed effects | : | Not available. |
| Potential chronic health eff | ect | <u>s</u> |
| Not available. | | |
| General | : | No known significant effects or critical hazards. |
| Carcinogenicity | : | No known significant effects or critical hazards. |
| | | |

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Section 11. Toxicological information

Mutagenicity

: No known significant effects or critical hazards.

- **Reproductive toxicity**
- : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

| • | Oral (mg/ kg) | Dermal (mg/kg) | (gases) | (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|------------------|-------------------|---------|--------|--|
| Precision V 372DE CA trans-1,2-Dichloroethylene | 1235.0 1235 | N/A N/A | | | N/A N/A |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|----------------------------|------------------------------------|-------------------------|----------|
| trans-1,2-Dichloroethylene | Acute LC50 220000 μg/l Fresh water | Daphnia - Daphnia magna | 48 hours |

Persistence and degradability

Not available.

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|----------------------------|--------|-----|-----------|
| trans-1,2-Dichloroethylene | 2.09 | - | low |

| <u>Mobility in soil</u> | |
|--|------------------|
| Soil/water partition coefficient (Koc) | : Not available. |

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

 Disposal methods
 The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

| | TDG Classification | DOT Classification | IMDG | ΙΑΤΑ |
|-------------------------------|--------------------|--------------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | | | | |
| Transport hazard class(es) | | | | |
| Packing group | | | - | - |
| Environmental hazards | No. | No. | No. | No. |

Additional information

DOT Classification : <u>Reportable quantity</u> 1428.6 lbs / 648.57 kg [133.86 gal / 506.7 L]. The classification of the product is due solely to the presence of one or more US DOT-listed 'Hazardous substances' that are subject to reportable quantity requirements and only applies to shipments of packages greater than, or equal to, the product reportable quantity. Package sizes less than the product reportable quantity are not regulated as hazardous materials.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to IMO instruments

Section 15. Regulatory information

| Canadian lists | | | | | |
|--|-------------|-----------------------------|-----------------------------|--------------------------|---------|
| Canadian NPRI | : | The followin | g components are listed: \ | olatile organic compound | ls |
| CEPA Toxic substances | : | None of the | components are listed. | | |
| International regulations | | | | | |
| Chemical Weapon Convent | tion | List Schedu | ules I, II & III Chemicals | | |
| Not listed. | | | | | |
| Montreal Protocol Not listed. | | | | | |
| Stockholm Convention on Not listed. | <u>Per</u> | <u>sistent Orga</u> | nic Pollutants | | |
| Rotterdam Convention on I Not listed. | <u>Pric</u> | o <mark>r Informed (</mark> | <u>Consent (PIC)</u> | | |
| UNECE Aarhus Protocol on | n PO |)Ps and Hea | vy Metals | | |
| Not listed. | | | | | |
| Inventory list | | | | | |
| Australia | : | Not determi | ned. | | |
| Canada | : | All compone | ents are listed or exempted | d. | |
| China | : | All compone | ents are listed or exempted | ł. | |
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Section 15. Regulatory information

| Eurasian Economic Union | 1 | Russian Federation inventory: Not determined. |
|-------------------------|---|--|
| Japan | 1 | Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined. |
| New Zealand | : | All components are listed or exempted. |
| Philippines | : | All components are listed or exempted. |
| Republic of Korea | : | Not determined. |
| Taiwan | : | All components are listed or exempted. |
| Thailand | : | Not determined. |
| Turkey | : | Not determined. |
| United States | : | All components are active or exempted. |
| Viet Nam | : | All components are listed or exempted. |
| | _ | |

Section 16. Other information

| <u>History</u> | |
|--------------------------------|---|
| Date of printing | : 3/14/2023 |
| Date of issue/Date of revision | : 3/14/2023 |
| Date of previous issue | : 3/14/2023 |
| Version | : 4 |
| Key to abbreviations | ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals HPR = Hazardous Products Regulations IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations |

Procedure used to derive the classification

| Classification | Justification |
|------------------------------------|--------------------|
| ACUTE TOXICITY (oral) - Category 4 | Calculation method |
| SKIN IRRITATION - Category 2 | Calculation method |
| EYE IRRITATION - Category 2A | Calculation method |

References

: Not available.

✓ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.