



# SAFETY DATA SHEET

## SECTION 1. Identification of the hazardous chemical substance or mixture and of the supplier or manufacturer

|  |   |                 |
|--|---|-----------------|
| <b>GHS product identifier</b>                                  | <b>Contact Cleaner 2000 Precision Cleaner</b>   |                 |
| <b>Other means of identification</b>                           |   |                 |
| <b>Product Code</b>  | Item# 1750611   |                 |
| <b>Recommended use of the chemical and restrictions on use</b> |   |                 |
| <b>Recommended use</b>   | Precision electronics cleaner   |                 |
| <b>Recommended restrictions</b>                                | None known.   |                 |
| <b>Suppliers details</b>                                       |   |                 |
| <b>Company name</b>  | CRC Industrias de Mexico S. de R. L. de C.V.  |                 |
| <b>Address</b>   | Cerrada Canadá 201-H<br>Fraccionamiento Industrial Martel<br>Santa Catarina, NL 66367<br>Mexico |                 |
| <b>Telephone</b>   | General Information   | 81-2139-0572    |
| <b>Website</b>   | www.crc-mexico.com  |                 |
| <b>E-mail</b>  | SoporteTecnico@crcind.com   |                 |
| <b>Emergency phone number</b>                                  | 24-Hour Emergency   | 01-800-681-9531 |

## SECTION 2: Hazard identification

### Classification of the substance or mixture

|                              |  |                             |
|------------------------------|--|-----------------------------|
| <b>Physical hazards</b>      | Aerosols   | Category 2                  |
| <b>Health hazards</b>        | Acute toxicity, oral                                   | Category 4                  |
|                              | Skin corrosion/irritation                              | Category 2                  |
|                              | Serious eye damage/eye irritation                      | Category 2                  |
|                              | Specific target organ toxicity, single exposure        | Category 3 narcotic effects |
|                              | Aspiration hazard                                      | Category 1                  |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, long-term hazard | Category 3                  |

### GHS label elements, including precautionary statements



**Signal word** Danger

#### Hazard statement

|      |  |
|------|--|
| H223 | Flammable aerosol.                                 |
| H229 | Pressurized container: May burst if heated.        |
| H302 | Harmful if swallowed.                              |
| H304 | May be fatal if swallowed and enters airways.      |
| H315 | Causes skin irritation.                            |
| H319 | Causes serious eye irritation.                     |
| H336 | May cause drowsiness or dizziness.                 |
| H412 | Harmful to aquatic life with long lasting effects. |

#### Precautionary statement

##### Prevention

|      |  |
|------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray on an open flame or other ignition source.  |
| P251 | Do not pierce or burn, even after use.   |
| P261 | Avoid breathing mist or vapor.   |
| P264 | Wash thoroughly after handling.  |

|      |   |
|------|---|
| P270 | Do not eat, drink or smoke when using this product. |
| P271 | Use only outdoors or in a well-ventilated area.     |
| P273 | Avoid release to the environment.                   |
| P280 | Wear eye protection/face protection.                |
| P280 | Wear protective gloves.                             |

**Response**

|                    |  |
|--------------------|--|
| P301 + P310        | IF SWALLOWED: Immediately call a POISON CENTER/doctor.   |
| P330               | Rinse mouth.   |
| P331               | Do NOT induce vomiting.  |
| P302 + P352        | IF ON SKIN: Wash with plenty of water.   |
| P332 + P313        | If skin irritation occurs: Get medical advice/attention.   |
| P362 + P364        | Take off contaminated clothing and wash it before reuse.   |
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P312               | Call a POISON CENTER/doctor if you feel unwell.  |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313        | If eye irritation persists: Get medical advice/attention.  |

**Storage**

|             |  |
|-------------|--|
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed.           |
| P405        | Store locked up.   |
| P410 + P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. |

**Disposal**

|      |   |
|------|---|
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |
|------|---|

**Other hazards which do not result in classification**

May displace oxygen and cause rapid suffocation.

**Supplemental information**

When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene.

**SECTION 3. Composition/information on ingredients****Mixtures**

| Chemical identity          | Common name(s), synonym(s) | CAS number and other unique identifiers | Concentration |
|----------------------------|----------------------------|---|---------------|
| trans-1,2-dichloroethylene |                            | 156-60-5                                | 50 - 60       |
| carbon dioxide             |                            | 124-38-9                                | 5 - 10        |
| decafluoropentane          | HFC 43-10mee               | 138495-42-8                             | 5 - 10        |

**Composition comments**

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

**SECTION 4. First-aid measures****Description of necessary first-aid measures****Inhalation**

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory tract irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.

**Skin contact**

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion**

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Most important symptoms/effects, acute and delayed**

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Fatigue. Nausea, vomiting. Very high exposure can cause suffocation from lack of oxygen. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Asphyxiation may bring about unconsciousness without warning and so rapidly that victim may be unable to protect themselves. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

|   |   |
|---|---|
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.                                  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |

## SECTION 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                | Foam. Powder. Carbon dioxide (CO <sub>2</sub> ). Use fire-extinguishing media appropriate for surrounding materials.  |
| <b>Unsuitable extinguishing media</b>              | Do not use water jet as an extinguisher, as this will spread the fire.  |
| <b>Specific hazards arising from the chemical</b>  | Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene. |
| <b>Special protective actions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.  |
| <b>Fire fighting equipment/instructions</b>        | Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.  |
| <b>Specific methods</b>                            | Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes.  |
| <b>General fire hazards</b>                        | Flammable aerosol.  |

## SECTION 6. Measures that must be taken in the event of accidental spillage or an accidental leak

### Personal precautions, protective equipment and emergency procedures

|  |   |
|--|---|
| <b>For non-emergency personnel</b>                           | In the event of a leak evacuate all personnel until ventilation can restore oxygen concentrations to safe levels. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| <b>For emergency responders</b>                              | Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.   |
| <b>Environmental precautions</b>                             | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.  |
| <b>Methods and materials for containment and cleaning up</b> | Stop leak if you can do so without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.  |

## SECTION 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions to ensure safe handling</b>                          | Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not taste or swallow. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Do not enter storage areas or confined spaces unless adequately ventilated. Use only outdoors or in a well-ventilated area. Oxygen concentration should not fall below 19.5 % at sea level (pO <sub>2</sub> = 135 mmHg). Mechanical ventilation or local exhaust ventilation may be required. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Level 1 Aerosol.<br><br>Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).   |

## SECTION 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

##### Mexico. Occupational Exposure Limit Values

| Components                                | Type | Value     |
|---|------|-----------|
| carbon dioxide (CAS 124-38-9)             | STEL | 30000 ppm |
| trans-1,2-dichloroethylene (CAS 156-60-5) | TWA  | 5000 ppm  |
|   | TWA  | 200 ppm   |

##### US. ACGIH Threshold Limit Values

| Components                                | Type | Value     |
|---|------|-----------|
| carbon dioxide (CAS 124-38-9)             | STEL | 30000 ppm |
| trans-1,2-dichloroethylene (CAS 156-60-5) | TWA  | 5000 ppm  |
|   | TWA  | 200 ppm   |

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Control banding approach

Not available.

#### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear safety glasses with side shields (or goggles).

##### Skin protection

###### Hand protection

Wear protective gloves such as: Nitrile. Neoprene. Polyvinyl alcohol (PVA). Viton/butyl.

###### Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

##### Respiratory protection

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

##### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9. Physical and chemical properties

### Appearance

#### Physical state

Liquid.

#### Form

Aerosol.

#### Color

Colorless.

#### Odor

Slight ethereal.

#### Odor threshold

Not available.

#### pH

Not available.

#### Melting point/freezing point

-119.2 °F (-84 °C) estimated

#### Initial boiling point and boiling range

104.2 °F (40.1 °C) estimated

#### Flash point

None.

#### Evaporation rate

Fast.

#### Flammability (solid, gas)

Not available.

#### Upper/lower flammability or explosive limits

##### Flammability limit - lower (%)

2 % estimated

|  |                           |
|--|---------------------------|
| <b>Flammability limit - upper (%)</b>          | 19.9 % estimated          |
| <b>Vapor pressure</b>                          | 3265.7 hPa estimated      |
| <b>Vapor density</b>                           | > 1 (air = 1)             |
| <b>Relative density</b>                        | 1.27 estimated            |
| <b>Solubility(ies)</b>                         |                           |
| <b>Solubility (water)</b>                      | Slight.                   |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.            |
| <b>Auto-ignition temperature</b>               | 860 °F (460 °C) estimated |
| <b>Decomposition temperature</b>               | Not available.            |
| <b>Viscosity</b>                               | Not available.            |
| <b>Molecular weight</b>                        | Not available.            |
| <b>Other information</b>                       |                           |
| <b>Percent volatile</b>                        | 95 % estimated            |

## SECTION 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.   |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.   |
| <b>Conditions to avoid</b>                | Heat, flames and sparks. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride, hydrogen chloride, and possibly phosgene. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Aluminum.  |
| <b>Hazardous decomposition products</b>   | Carbonyl halides. Hydrogen fluoride. Hydrogen chloride. Phosgene. Formaldehyde. Carbon oxides.  |

## SECTION 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Suffocation (asphyxiant) hazard - if allowed to accumulate to concentrations that reduce oxygen below safe breathing levels. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
| <b>Skin contact</b> | Causes skin irritation.   |
| <b>Eye contact</b>  | Causes serious eye irritation.  |
| <b>Ingestion</b>    | Harmful if swallowed. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.  |

|   |  |
|---|--|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Fatigue. Nausea, vomiting. Very high exposure can cause suffocation from lack of oxygen. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Asphyxiation may bring about unconsciousness without warning and so rapidly that victim may be unable to protect themselves. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. |
|---|--|

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

#### Information on toxicological effects

|                       |  |
|-----------------------|--|
| <b>Acute toxicity</b> | In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. May be fatal if swallowed and enters airways. |
|-----------------------|--|

| <b>Product</b>                         | <b>Species</b> | <b>Test Results</b> |
|--|----------------|---------------------|
| Contact Cleaner 2000 Precision Cleaner |                |                     |
| <u><b>Acute</b></u>                    |                |                     |
| <b>Oral</b>                            |                |                     |
| ATEmix                                 |                | 1666.4167 mg/kg     |

| Components  | Species  | Test Results                    |
|---|--|---------------------------------|
| 1,1,1,3,3-pentafluorobutane (CAS 406-58-6)                |  |                                 |
| <b>Acute</b>  |  |                                 |
| <b>Oral</b>   |  |                                 |
| LD50  | Rat  | > 2000 mg/kg                    |
| decafluoropentane (CAS 138495-42-8)                       |  |                                 |
| <b>Acute</b>  |  |                                 |
| <b>Dermal</b>   |  |                                 |
| LD50  | Rabbit   | > 5000 mg/kg                    |
| <b>Inhalation</b>   |  |                                 |
| LC50  | Rat  | 11058 mg/kg, 4 hours calculated |
| <b>Oral</b>   |  |                                 |
| LD50  | Rat  | > 5000 mg/kg                    |
| trans-1,2-dichloroethylene (CAS 156-60-5)                 |  |                                 |
| <b>Acute</b>  |  |                                 |
| <b>Oral</b>   |  |                                 |
| LD50  | Rat  | 1235 mg/kg                      |
| <b>Skin corrosion/irritation</b>                          | Causes skin irritation.  |                                 |
| <b>Serious eye damage/eye irritation</b>                  | Causes serious eye irritation.   |                                 |
| <b>Respiratory or skin sensitization</b>                  |  |                                 |
| <b>Respiratory sensitization</b>                          | Not a respiratory sensitizer.  |                                 |
| <b>Skin sensitization</b>                                 | This product is not expected to cause skin sensitization.  |                                 |
| <b>Germ cell mutagenicity</b>                             | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                                 |
| <b>Carcinogenicity</b>                                    | Not classifiable as to carcinogenicity to humans.  |                                 |
| <b>Reproductive toxicity</b>                              | This product is not expected to cause reproductive or developmental effects.                                     |                                 |
| <b>Specific target organ toxicity - single exposure</b>   | May cause drowsiness and dizziness.  |                                 |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.  |                                 |
| <b>Aspiration hazard</b>                                  | May be fatal if swallowed and enters airways.  |                                 |
| <b>Other information</b>                                  | Not available.   |                                 |

## SECTION 12. Ecotoxicological information

| <b>Ecotoxicity</b>                                       | Harmful to aquatic life with long lasting effects.                           |                                |                          |
|--|--|--------------------------------|--------------------------|
| Components   | Species  | Test Results                   |                          |
| decafluoropentane (CAS 138495-42-8)                      |  |                                |                          |
| <b>Aquatic</b>   |  |                                |                          |
| <i>Acute</i>   |  |                                |                          |
| Crustacea  | EC50   | Water flea (Daphnia magna)     | 11.7 mg/l, 48 hours      |
| Fish   | LC50   | Zebra danio (Danio rerio)      | 13 mg/l, 96 hours        |
| trans-1,2-dichloroethylene (CAS 156-60-5)                |  |                                |                          |
| <b>Aquatic</b>   |  |                                |                          |
| Fish   | LC50   | Bluegill (Lepomis macrochirus) | 120 - 160 mg/l, 96 hours |
| <i>Acute</i>   |  |                                |                          |
| Crustacea  | EC50   | Water flea (Daphnia magna)     | 220 mg/l, 48 hours       |
| <b>Persistence and degradability</b>                     | No data is available on the degradability of any ingredients in the mixture. |                                |                          |
| <b>Bioaccumulative potential</b>                         |  |                                |                          |
| <b>Partition coefficient n-octanol / water (log Kow)</b> |  |                                |                          |
| decafluoropentane  |  | 0.43, Log Pow at 20 °C         |                          |
|  |  | 2.7, Pow at 20 °C              |                          |

**Partition coefficient n-octanol / water (log Kow)**

trans-1,2-dichloroethylene 2.06

**Mobility in soil** No data available.**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.**SECTION 13. Disposal considerations****Disposal methods****Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.**Local disposal regulations** Dispose in accordance with all applicable regulations.**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.**SECTION 14. Transport information****SCT**

**UN number** UN1950  
**UN proper shipping name** AEROSOLS, Limited Quantity  
**Transport hazard class(es)**  
    **Class** 2.1  
    **Subsidiary risk** -  
**Packing group** Not applicable.  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Bulk special provisions** 63,190,277,327,344

**DOT**

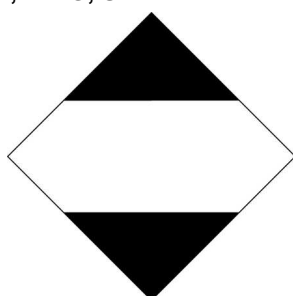
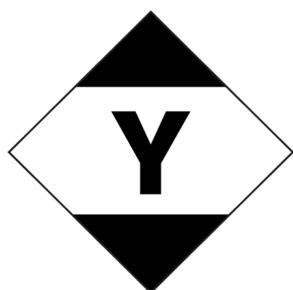
**UN number** UN1950  
**UN proper shipping name** Aerosols, flammable, Limited Quantity  
**Transport hazard class(es)**  
    **Class** 2.1  
    **Subsidiary risk** -  
    **Label(s)** 2.1  
**Packing group** Not applicable.  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Special provisions** N82  
**Packaging exceptions** 306  
**Packaging non bulk** None  
**Packaging bulk** None

**IATA**

**UN number** UN1950  
**UN proper shipping name** Aerosols, flammable, Limited Quantity  
**Transport hazard class(es)**  
    **Class** 2.1  
    **Subsidiary risk** -  
**Packing group** Not applicable.  
**Environmental hazards** No.  
**ERG Code** 10L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Other information**  
    **Passenger and cargo aircraft** Allowed with restrictions.  
    **Cargo aircraft only** Allowed with restrictions.

**IMDG**

**UN number** UN1950  
**UN proper shipping name** AEROSOLS, Limited Quantity

**Transport hazard class(es)****Class** 2**Subsidiary risk** -**Packing group** Not applicable.**Environmental hazards****Marine pollutant** No.**EmS** Not available.**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Transport in bulk according to** Not established.**Annex II of MARPOL 73/78 and  
the IBC Code****DOT; IMDG; SCT****IATA****SECTION 15. Regulatory information****Safety, health and environmental regulations specific for the product in question****Mexico. Hazard identification guidance list (NOM-018-STPS)**

carbon dioxide (CAS 124-38-9) Listed.

**Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)**1,1,1,3,3-pentafluorobutane (CAS 406-58-6) 100 KG  
2500 KG

carbon dioxide (CAS 124-38-9) 100000 KG

decafluoropentane (CAS 138495-42-8) 100 KG  
2500 KG**International regulations****Montreal Protocol**

Not applicable.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

1,1,1,3,3-pentafluorobutane (CAS 406-58-6) Listed.

carbon dioxide (CAS 124-38-9) Listed.

decafluoropentane (CAS 138495-42-8) Listed.

**Basel Convention**

Not applicable.



**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | No                     |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | Yes                    |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| Taiwan                      | Taiwan Toxic Chemical Substances (TCS)                                 | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16. Other included information relevant to the preparation and updating of safety data sheets

**Issue date** 05-31-2018

**Version #** 01

**List of abbreviations**

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

SCT: Secretariat of Communications and Transportation (NOM-002-SCT/2011).

DOT: Department of Transportation (49 CFR 172.101).

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

IATA: International Air Transport Association.

IMDG Code: International Maritime Dangerous Goods Code.

MARPOL: International Convention for the Prevention of Pollution from Ships.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

**References**

NOM-010-STPS-2014 (second revision) – Occupational Exposure Limits – becomes effective on April 28, 2016

NOM-018-STPS-2000 – Workplace Hazardous Chemical Substances Communication and Identification Standard

NOM-028-STPS-2012 – Work-Safety Management System for Processes and Critical Equipment Handling Hazardous Chemical Substances

Workplace Threshold Quantities of Hazardous Chemicals

NOM-047-SSA1-2011 – Workplace Biological Exposure Indices (BEIs) to Chemical Substances

**Further information**

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