# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Fasco® Econo® All Purpose Paint Silver

Other means of identification

EC1055 Product code Recommended use **COATING** Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

PR Distribution Company name

**Address** 6500 rue Zéphirin Paquet

Québec, QC, G2C 0M3

Web site prdistribution.ca

1800-563-5259 Telephone

info@prdistribution.ca E-mail CANUTEC 613-996-6666

2. Hazard(s) identification

**Emergency phone number** 

**Physical hazards** Flammable aerosols Category 1

**Health hazards** Skin corrosion/irritation Category 2

Carcinogenicity Category 2 Reproductive toxicity (the unborn child) Category 2 Specific target organ toxicity, repeated Category 2

exposure

Aspiration hazard Category 1

Label elements



Signal word

Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. **Hazard statement** 

Suspected of causing cancer. Suspected of damaging the unborn child. May cause damage to

organs through prolonged or repeated exposure.

**Precautionary statement** 

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Avoid release to the

environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON

SKIN: Wash with plenty of water. IF exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before

reuse. Collect spillage.

Storage Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

**Environmental hazards** Hazardous to the aquatic environment, acute Category 2

hazard

Product name: Fasco® Econo® All Purpose Paint Silver Product #: EC1055 Version #: 02 Revision date: 03-08-2017 Issue date: 03-07-2017 long-term hazard

Other hazards None known.

Supplemental information None.

# 3. Composition/information on ingredients

#### **Mixtures**

| Chemical name   | Common name and synonyms | CAS number | %      |
|---|--------------------------|------------|--------|
| Methylene Chloride  |                          | 75-09-2    | 43.622 |
| Propane   |                          | 74-98-6    | 17.225 |
| Toluene   |                          | 108-88-3   | 16.875 |
| Isobutane   |                          | 75-28-5    | 7.775  |
| Diacetone Alcohol   |                          | 123-42-2   | 3.375  |
| Aluminum  |                          | 7429-90-5  | 1.242  |
| Distillates (petroleum),<br>Hydrotreated Heavy Naphthenic |                          | 64742-52-5 | 0.911  |
| Naphtha (petroleum), Hydrotreated Heavy                   |                          | 64742-48-9 | 0.54   |
| Other components below reportable                         | levels                   |            | 8.435  |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get Skin contact

medical advice/attention. Wash contaminated clothing before reuse.

Rinse with water. Get medical attention if irritation develops and persists. Eye contact

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. Dizziness. Nausea. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Category 2

Indication of immediate medical attention and special

treatment needed **General information**  Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). 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.

# 5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Foam. Powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from

the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting

equipment/instructions

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not

breathe fumes.

Extremely flammable aerosol. General fire hazards

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## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. 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.

Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

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.

**Environmental precautions** 

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.

# 7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Store locked up. 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).

# 8. Exposure controls/personal protection

# Occupational exposure limits

# **US. ACGIH Threshold Limit Values**

| Components                          | Type                          | Value              | Form                 |
|-------------------------------------|-------------------------------|--------------------|----------------------|
| Aluminum (CAS 7429-90-5)            | TWA                           | 1 mg/m3            | Respirable fraction. |
| Diacetone Alcohol (CAS<br>123-42-2) | TWA                           | 50 ppm             |                      |
| Isobutane (CAS 75-28-5)             | STEL                          | 1000 ppm           |                      |
| Methylene Chloride (CAS<br>75-09-2) | TWA                           | 50 ppm             |                      |
| Toluene (CAS 108-88-3)              | TWA                           | 20 ppm             |                      |
| Canada. Alberta OELs (Occupation    | ial Health & Safety Code, Sci | nedule 1, Table 2) |                      |
| Components                          | Туре                          | Value              | Form                 |
| Aluminum (CAS 7429-90-5)            | TWA                           | 5 mg/m3            | Pyrophoric powder.   |
|                                     |                               | 10 mg/m3           | Dust.                |
| Diacetone Alcohol (CAS<br>123-42-2) | TWA                           | 238 mg/m3          |                      |
| •                                   |                               | 50 ppm             |                      |
| Methylene Chloride (CAS<br>75-09-2) | TWA                           | 174 mg/m3          |                      |
| ,                                   |                               | 50 ppm             |                      |
| Dropono (CAS 74 09 6)               | TWA                           | 1000 ppm           |                      |
| Propane (CAS 74-98-6)               | 1 444                         | 1000 pp            |                      |

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Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Aluminum (CAS 7429-90-5)  Aluminum (CAS 7429-90-5)  Diacetone Alcohol (CAS  TWA  TWA  50 ppm  123-42-2)  Methylene Chloride (CAS  TWA  25 ppm  75-09-2)  Toluene (CAS 108-88-3)  TWA  20 ppm  Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)  Components  Type  Value  Aluminum (CAS 7429-90-5)  TWA  1 mg/m3  Diacetone Alcohol (CAS  TWA  50 ppm  123-42-2)  Isobutane (CAS 75-28-5)  STEL  1000 ppm  Methylene Chloride (CAS  TWA  50 ppm  75-09-2)  Toluene (CAS 108-88-3)  TWA  50 ppm  Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)  Components  Type  Value | Form Respirable.  Form Respirable fraction. |
|--|---|
| Diacetone Alcohol (CAS TWA 50 ppm 123-42-2)  Methylene Chloride (CAS TWA 25 ppm 75-09-2)  Toluene (CAS 108-88-3) TWA 20 ppm Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) Components Type Value  Aluminum (CAS 7429-90-5) TWA 1 mg/m3  Diacetone Alcohol (CAS TWA 50 ppm 123-42-2)  Isobutane (CAS 75-28-5) STEL 1000 ppm Methylene Chloride (CAS TWA 50 ppm 75-09-2)  Toluene (CAS 108-88-3) TWA 20 ppm  Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Components Type Value  | Form  |
| Methylene Chloride (CAS TWA 25 ppm 75-09-2) Toluene (CAS 108-88-3) TWA 20 ppm Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) Components Type Value  Aluminum (CAS 7429-90-5) TWA 1 mg/m3 Diacetone Alcohol (CAS TWA 50 ppm 123-42-2) Isobutane (CAS 75-28-5) STEL 1000 ppm Methylene Chloride (CAS TWA 50 ppm 75-09-2) Toluene (CAS 108-88-3) TWA 20 ppm Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Components Type Value  |   |
| 75-09-2) Toluene (CAS 108-88-3) TWA 20 ppm  Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) Components Type Value  Aluminum (CAS 7429-90-5) TWA 1 mg/m3 Diacetone Alcohol (CAS TWA 50 ppm 123-42-2) Isobutane (CAS 75-28-5) STEL 1000 ppm Methylene Chloride (CAS TWA 50 ppm 75-09-2) Toluene (CAS 108-88-3) TWA 20 ppm  Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Components Type Value   |   |
| Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act) Components Type Value  Aluminum (CAS 7429-90-5) TWA 1 mg/m3 Diacetone Alcohol (CAS TWA 50 ppm 123-42-2) Isobutane (CAS 75-28-5) STEL 1000 ppm Methylene Chloride (CAS TWA 50 ppm 75-09-2) Toluene (CAS 108-88-3) TWA 20 ppm  Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Components Type Value   |   |
| ComponentsTypeValueAluminum (CAS 7429-90-5)TWA1 mg/m3Diacetone Alcohol (CASTWA50 ppm123-42-2)Isobutane (CAS 75-28-5)STEL1000 ppmMethylene Chloride (CASTWA50 ppm75-09-2)Toluene (CAS 108-88-3)TWA20 ppmCanada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)ComponentsTypeValue   |   |
| Aluminum (CAS 7429-90-5)  Diacetone Alcohol (CAS  TWA  TWA  1 mg/m3  50 ppm  123-42-2)  Isobutane (CAS 75-28-5)  Methylene Chloride (CAS  TWA  50 ppm  Methylene Chloride (CAS  TWA  50 ppm  TWA  50 ppm  Tybe  TWA  50 ppm  75-09-2)  Toluene (CAS 108-88-3)  TWA  20 ppm  Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)  Components  Type  Value  |   |
| Diacetone Alcohol (CAS TWA 50 ppm  123-42-2) Isobutane (CAS 75-28-5) STEL 1000 ppm  Methylene Chloride (CAS TWA 50 ppm  75-09-2) Toluene (CAS 108-88-3) TWA 20 ppm  Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)  Components Type Value  | Respirable fraction.                        |
| 123-42-2) Isobutane (CAS 75-28-5) Methylene Chloride (CAS TWA 75-09-2) Toluene (CAS 108-88-3) TWA 20 ppm  Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Components Type Value   |   |
| Methylene Chloride (CAS TWA 50 ppm 75-09-2) Toluene (CAS 108-88-3) TWA 20 ppm Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Components Type Value   |   |
| 75-09-2) Toluene (CAS 108-88-3) TWA 20 ppm  Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Components Type Value   |   |
| Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) Components Type Value   |   |
| Components Type Value  |   |
| 2,76-  | _   |
|  | Form  |
| Aluminum (CAS 7429-90-5) TWA 1 mg/m3   | Respirable fraction.                        |
| Diacetone Alcohol (CAS STEL 360 mg/m3 123-42-2)  |   |
| 75 ppm   |   |
| TWA 240 mg/m3  |   |
| 50 ppm   |   |
| Isobutane (CAS 75-28-5)  TWA  800 ppm  |   |
| Methylene Chloride (CAS TWA 50 ppm 75-09-2)  |   |
| Toluene (CAS 108-88-3) TWA 20 ppm  |   |
| Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment  | •   |
| Components Type Value  | Form  |
| Aluminum (CAS 7429-90-5) TWA 5 mg/m3   | Welding fume.                               |
| 10 mg/m3   |   |
| Diacetone Alcohol (CAS TWA 238 mg/m3 123-42-2)   |   |
| 50 ppm   |   |
| Methylene Chloride (CAS TWA 174 mg/m3 75-09-2)   |   |
| 50 ppm   |   |
| Propane (CAS 74-98-6) TWA 1800 mg/m3   |   |
| 3  |   |
| 1000 ppm   |   |
|  |   |

# **Biological limit values**

**ACGIH Biological Exposure Indices** 

| Components                       | Value     | Determinant                  | Specimen            | Sampling Time |
|----------------------------------|-----------|------------------------------|---------------------|---------------|
| Methylene Chloride (CAS 75-09-2) | 0.3 mg/l  | Dichlorometha<br>ne          | Urine               | *             |
| Toluene (CAS 108-88-3)           | 0.3 mg/g  | o-Cresol, with<br>hydrolysis | Creatinine in urine | *             |
|                                  | 0.03 mg/l | Toluene                      | Urine               | *             |
|                                  | 0.02 mg/l | Toluene                      | Blood               | *             |

<sup>\* -</sup> For sampling details, please see the source document.

# **Exposure guidelines**

Canada - Alberta OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

Toluene (CAS 108-88-3) Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

Toluene (CAS 108-88-3) Can be absorbed through the skin.

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. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove Hand protection

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

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an

air-supplied respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. 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.

# 9. Physical and chemical properties

**Appearance** 

**Physical state** Gas. Aerosol. **Form** Color Not available. Odor Not available. Odor threshold Not available. Not available. Hq Melting point/freezing point Not available. Initial boiling point and boiling Not available.

range

-156.0 °F (-104.4 °C) PROPELLANT estimated Flash point

**Evaporation rate** Not available. Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Flammability limit - lower

7.2 % estimated

Flammability limit - upper

14.3 % estimated

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(%)

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available. Vapor pressure Not available. Vapor density Not available. Relative density Not available.

Solubility(ies)

Not available. Solubility (water) Partition coefficient Not available.

(n-octanol/water)

**Auto-ignition temperature** Not available. **Decomposition temperature** Not available. Viscosity Not available.

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Other information

**Explosive properties** Not explosive. **Oxidizing properties** Not oxidizing.

# 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous Hazardous polymerization does not occur.

reactions

**Conditions to avoid** Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materialsStrong oxidizing agents. Nitrates. Fluorine. Chlorine.Hazardous decompositionNo hazardous decomposition products are known.

products

# 11. Toxicological information

## Information on likely routes of exposure

**Inhalation** May cause damage to organs through prolonged or repeated exposure by inhalation.

**Skin contact** Causes skin irritation.

**Eye contact** Direct contact with eyes may cause temporary irritation.

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Nausea. Skin irritation. May

> 2000 mg/kg

cause redness and pain.

# Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

| Components                   | Species                                | Test Results                               |
|------------------------------|--|--|
| Aluminum (CAS 7429-90-5      | )                                      |  |
| <u>Acute</u>                 |  |  |
| Inhalation                   |  |  |
| LC50                         | Rat                                    | > 0.888 mg/l, 4 Hours                      |
|                              |  | 7.6 mg/l, If <1L: Consumer Commodity Hours |
| Oral                         |  |  |
| LD50                         | Rat                                    | > 2000 mg/kg                               |
| Diacetone Alcohol (CAS 12    | 3-42-2)                                |  |
| <u>Acute</u>                 |  |  |
| Dermal                       |  |  |
| LD50                         | Rabbit                                 | 14.5 ml/kg, 24 Hours                       |
|                              | Rat                                    | > 1875 mg/kg, 24 Hours                     |
|                              |  | 13500 mg/kg                                |
| Oral                         |  |  |
| LD50                         | Rat                                    | 3002 mg/kg                                 |
| Distillates (petroleum), Hyd | rotreated Heavy Naphthenic (CAS 64742- | 52-5)                                      |
| <u>Acute</u>                 |  |  |
| Dermal                       |  |  |
| LD50                         | Rabbit                                 | > 2000 mg/kg                               |
|                              |  | > 2000 mg/kg, 24 Hours                     |
| Inhalation                   |  |  |
| LC50                         | Rat                                    | 2.18 mg/l, 4 Hours                         |
| Oral                         |  |  |

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LD50

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Rat

Components **Species Test Results** Isobutane (CAS 75-28-5) **Acute** Inhalation LC50 Mouse 1237 mg/l, 120 Minutes 52 %, 120 Minutes Rat 1355 mg/l Methylene Chloride (CAS 75-09-2) **Acute Dermal** LD50 Rat > 2000 mg/kg, Days Inhalation Vapor LC50 Mouse 49000 mg/m3, 7 Hours Oral Rat LD50 > 2000 mg/kg Naphtha (petroleum), Hydrotreated Heavy (CAS 64742-48-9) **Acute** Dermal LD50 Rabbit > 1900 mg/kg, 24 Hours Inhalation LC50 Rat > 5000 mg/m3, 4 Hours > 4980 mg/m3 > 4980 mg/m3, 4 Hours > 4.96 mg/l, 4 Hours Oral LD50 Rat 4820 mg/kg Propane (CAS 74-98-6) **Acute** Inhalation LC50 Mouse 1237 mg/l, 120 Minutes 52 %, 120 Minutes Rat 1355 mg/l 658 mg/l/4h Toluene (CAS 108-88-3) **Acute Dermal** LD50 Rabbit > 5000 mg/kg, 24 Hours Inhalation LC50 Mouse 6405 - 7436 ppm, 6 Hours 5320 ppm, 8 Hours Rat 5879 - 6281 ppm, 6 Hours 25.7 mg/l, 4 Hours Oral LD50 Rat > 5000 mg/kg

**Skin corrosion/irritation** Causes skin irritation.

Serious eye damage/eye

Direct contact with eyes may cause temporary irritation.

irritation

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

# Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

Irritant Aluminum (CAS 7429-90-5) Diacetone Alcohol (CAS 123-42-2) Irritant

Respiratory sensitization

Not a respiratory sensitizer.

This product is not expected to cause skin sensitization. Skin sensitization

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity Suspected of causing cancer.

**ACGIH Carcinogens** 

Aluminum (CAS 7429-90-5) A4 Not classifiable as a human carcinogen.

Methylene Chloride (CAS 75-09-2) A3 Confirmed animal carcinogen with unknown relevance to

Not classifiable as a human carcinogen.

Toluene (CAS 108-88-3) A4 Not classifiable as a human carcinogen.

Canada - Manitoba OELs: carcinogenicity

ALUMINUM METAL AND INSOLUBLE COMPOUNDS,

RESPIRABLE FRACTION (CAS 7429-90-5)

DICHLOROMETHANE (CAS 75-09-2) Confirmed animal carcinogen with unknown relevance to humans.

**TOLUENE (CAS 108-88-3)** Not classifiable as a human carcinogen.

Canada - Quebec OELs: Carcinogen category

Methylene Chloride (CAS 75-09-2) Suspected carcinogenic effect in humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Methylene Chloride (CAS 75-09-2) 2A Probably carcinogenic to humans.

Toluene (CAS 108-88-3) 3 Not classifiable as to carcinogenicity to humans.

Suspected of damaging the unborn child. Reproductive toxicity

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may

cause chronic effects.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

| Components            |              | Species   | Test Results                 |
|-----------------------|--------------|---|------------------------------|
| Aluminum (CAS 7429    | -90-5)       |   |                              |
| Aquatic               |              |   |                              |
| Fish                  | LC50         | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 0.16 mg/l, 96 hours          |
| Diacetone Alcohol (CA | AS 123-42-2) |   |                              |
| Aquatic               |              |   |                              |
| Fish                  | LC50         | Bluegill (Lepomis macrochirus)                      | 420 mg/l, 96 hours           |
|                       |              | Fish  | 420 mg/L, 96 Hours           |
| Methylene Chloride (C | CAS 75-09-2) |   |                              |
| Aquatic               |              |   |                              |
| Algae                 | IC50         | Algae   | 500.0001 mg/L, 72 Hours      |
| Crustacea             | EC50         | Daphnia   | 1689.5 mg/L, 48 Hours        |
|                       |              | Water flea (Daphnia magna)                          | 1250 mg/l, 48 hours          |
| Fish                  | LC50         | Fathead minnow (Pimephales promelas)                | 140.8 - 277.8 mg/l, 96 hours |
| Toluene (CAS 108-88   | -3)          |   |                              |
| Aquatic               |              |   |                              |
| Algae                 | IC50         | Algae   | 433.0001 mg/L, 72 Hours      |
| Crustacea             | EC50         | Daphnia   | 7.645 mg/L, 48 Hours         |
|                       |              |   |                              |

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 Components
 Species
 Test Results

 Water flea (Daphnia magna)

 5.46 - 9.83 mg/l, 48 hours

 Fish
 LC50
 Coho salmon,silver salmon (Oncorhynchus kisutch)
 8.11 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

**Bioaccumulative potential** 

Partition coefficient n-octanol / water (log Kow)

Diacetone Alcohol -0.098
Isobutane 2.76
Methylene Chloride 1.25
Propane 2.36
Toluene 2.73

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**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.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

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.

# 14. Transport information

**TDG** 

UN number UN1950

UN proper shipping name AEROSOLS, flammable

Transport hazard class(es)

Class 2.1 Subsidiary risk -

Packing group Not applicable.

Environmental hazards Yes

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity.

**IATA** 

UN number UN1950

**UN proper shipping name** Aerosols, flammable

Transport hazard class(es)

Class 2.1 Subsidiary risk -Label(s) 2.1

Packing group Not applicable.

**Environmental hazards** Yes **ERG Code** 10L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety

instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo

Allowed with restrictions.

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aircraft

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Cargo aircraft only Allowed with restrictions.

**IMDG** 

**UN** number UN1950 **AEROSOLS UN** proper shipping name

Transport hazard class(es)

2.1 Class Subsidiary risk Label(s) None

Packing group

Not applicable.

Not applicable.

**Environmental hazards** 

Marine pollutant Yes F-D, S-U **EmS** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Read safety

instructions, SDS and emergency procedures before handling.

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

IATA; IMDG; TDG



# Marine pollutant



**General information** 

IMDG Regulated Marine Pollutant.

# 15. Regulatory information

Canadian regulations

**Controlled Drugs and Substances Act** 

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

**Greenhouse Gases** 

Not listed.

**Precursor Control Regulations** 

Toluene (CAS 108-88-3) Class B

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International regulations

**Stockholm Convention** 

Not applicable.

**Rotterdam Convention** 

Not applicable.

**Kyoto protocol** 

Not applicable.

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#### **Montreal Protocol**

Not applicable.

#### **Basel Convention**

Not applicable.

Country(s) or region

#### **International Inventories**

| Australia   | Australian Inventory of Chemical Substances (AICS)                     | Yes |
|-------------|--|-----|
| Canada      | Domestic Substances List (DSL)   | Yes |
| Canada      | Non-Domestic Substances List (NDSL)                                    | No  |
| 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)               | No  |
| Korea       | Existing Chemicals List (ECL)  | Yes |
| New Zealand | New Zealand Inventory  | No  |
|             |  |     |

(PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

Inventory name

Yes

Yes

On inventory (yes/no)\*

\*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).

Philippine Inventory of Chemicals and Chemical Substances

# 16. Other Information

**Philippines** 

Issue date 03-07-2017 03-08-2017 **Revision date** 

Version # 02

The information provided in this Safety Data Sheet is correct to the best of our knowledge, Disclaimer

information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

materials or in any process, unless specified in the text.

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