# SAFETY DATA SHEET

**AIM® EC HERBICIDE**

**SDS # :** 6165-A
**Revision date:** 2019-05-01
**Format:** NA
**Version** 1.07

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** AIM® EC HERBICIDE

**Other means of identification**

**Product Code(s)** 6165-A

**Synonyms** CARFENTRAZONE-ETHYL (FMC 116426): ethyl α,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl] -4-fluorobenzenepropanoate (CAS name); ethyl (RS)-2-chloro-3-[2-chloro-5-(4-difluoromethyl-4,5-dihydro-3-methyl-5- oxo-1H-1,2,4-triazol-1-yl) -4-fluorophenyl] propionate (IUPAC name)

**Active Ingredient(s)** Carfentrazone-ethyl

**Chemical Family** Triazolinones

**PCP #** 28573

**Recommended use of the chemical and restrictions on use**

**Recommended Use:** Herbicide

**Restrictions on Use:** Use as recommended by the label.

**Supplier Address**

FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
(215) 299-6000 (General Information)
msdsinfo@fmc.com (E-Mail General Information)

**Emergency telephone number**

Medical Emergencies :
1 800 / 331-3148 (U.S.A. & Canada)
1 651 / 632-6793 (All Other Countries - Collect)

For leak, fire, spill or accident emergencies, call:
1 800 / 424-9300 (CHEMTREC - U.S.A.)
1 703 / 741-5970 (CHEMTREC - International)
1 703 / 527-3887 (CHEMTREC - Alternate)

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|---|---|
| Carcinogenicity | Category 2 |
| Aspiration toxicity | Category 1 |

**GHS Label elements, including precautionary statements**

**EMERGENCY OVERVIEW**

**Danger**

**Hazard Statements**
H304 - May be fatal if swallowed and enters airways
H351 - Suspected of causing cancer

**Precautionary Statements - Prevention**
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**
P308 + P313 - If exposed or concerned: Get medical advice/attention
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331 - Do NOT induce vomiting

**Precautionary Statements - Storage**
P405 - Store locked up

**Precautionary Statements - Disposal**
P501 - Dispose of contents/container according to label directions

**Hazards not otherwise classified (HNOC)**
No hazards not otherwise classified were identified.

**Other Information**
May be harmful if swallowed. Very toxic to aquatic life with long lasting effects.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Family** Triazolinones.

| Chemical name | CAS-No | Weight % |
|---|---|---|
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | <70 |
| 2-Methylnaphthalene* | 91-57-6 | <30 |
| Carfentrazone-ethyl | 128639-02-1 | 21.9 |
| 1-Methylnaphthalene* | 90-12-0 | <20 |
| n-Butanol | 71-36-3 | 1-5 |
| Naphthalene* | 91-20-3 | 0.1-1 |

* This component is a constituent(s) of the ingredient: Naphtha (petroleum), heavy aromatic.
Synonyms are provided in Section 1.

## 4. FIRST AID MEASURES

**Eye Contact** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact

lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for further treatment advice.

**Skin Contact** — Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

**Inhalation** — Move to fresh air. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion** — Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed** — Central nervous system effects. Gastrointestinal effects.

**Indication of immediate medical attention and special treatment needed, if necessary** — Treatment is symptomatic and supportive. Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** — Water spray. Carbon dioxide ($CO_2$). Foam. Dry powder.

**Specific Hazards Arising from the Chemical** — Slightly combustible. May support combustion at elevated temperatures.

**Explosion data**

**Sensitivity to Mechanical Impact** — No information available.

**Sensitivity to Static Discharge** — No information available.

**Protective equipment and precautions for firefighters** — As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate upwind.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** — Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.

**Other** — For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

**Environmental Precautions** — Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.

**Methods for Containment** — Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** — Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

## 7. HANDLING AND STORAGE

**Handling** — Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

**Storage** — Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container.

**Incompatible products** — Strong oxidizing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH | Mexico |
|---|---|---|---|---|
| 2-Methylnaphthalene* (91-57-6) | TWA: 0.5 ppm | - | - | Mexico: TWA 0.5 ppm |
| Carfentrazone-ethyl (128639-02-1) | TWA: 1 mg/m³ | - | - | - |
| 1-Methylnaphthalene* (90-12-0) | TWA: 0.5 ppm | - | - | Mexico: TWA 0.5 ppm |
| n-Butanol (71-36-3) | TWA: 20 ppm | TWA: 100 ppm<br>TWA: 300 mg/m³ | IDLH: 1400 ppm<br>Ceiling: 50 ppm<br>Ceiling: 150 mg/m³ | Mexico: TWA 20 ppm |
| Naphthalene* (91-20-3) | TWA: 10 ppm | TWA: 10 ppm<br>TWA: 50 mg/m³ | IDLH: 250 ppm<br>TWA: 10 ppm<br>TWA: 50 mg/m³<br>STEL: 15 ppm<br>STEL: 75 mg/m³ | Mexico: TWA 10 ppm<br>Mexico: TWA 50 mg/m³<br>Mexico: STEL 15 ppm |

| Chemical name | British Columbia | Quebec | Ontario TWAEV | Alberta |
|---|---|---|---|---|
| 2-Methylnaphthalene* (91-57-6) | TWA: 0.5 ppm<br>Skin | - | TWA: 0.5 ppm<br>Skin | - |
| 1-Methylnaphthalene* (90-12-0) | TWA: 0.5 ppm<br>Skin | - | TWA: 0.5 ppm<br>Skin | - |
| n-Butanol (71-36-3) | TWA: 15 ppm<br>Ceiling: 30 ppm | Ceiling: 50 ppm<br>Ceiling: 152 mg/m³<br>Skin | TWA: 20 ppm | TWA: 20 ppm<br>TWA: 60 mg/m³ |
| Naphthalene* (91-20-3) | TWA: 10 ppm<br>Skin | TWA: 10 ppm<br>TWA: 52 mg/m³<br>STEL: 15 ppm<br>STEL: 79 mg/m³ | TWA: 10 ppm<br>Skin | TWA: 10 ppm<br>TWA: 52 mg/m³<br>STEL: 15 ppm<br>STEL: 79 mg/m³<br>Skin |

**Legend**
*Skin (S*) - Skin Absorber*

**Appropriate engineering controls**

**Engineering measures** Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

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

**Eye/Face Protection** For dust, splash, mist or spray exposure, wear chemical protective goggles.

**Skin and Body Protection** Wear long-sleeved shirt, long pants, socks, and shoes.

**Hand Protection** Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion and the contact time.

**Respiratory Protection** For dust, splash, mist or spray exposures, wear a filtering mask.

**Hygiene measures** Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

**General information** If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | Liquid |
| **Physical State** | Liquid |
| **Color** | Brown orange |
| **Odor** | Aromatic |
| **Odor threshold** | No information available |
| **pH** | 5.3 (1% solution) |
| **Melting point/freezing point** | Not applicable |
| **Boiling Point/Range** | No information available |
| **Flash point** | 75.6 °C / 168.08 °F Closed cup |
| **Evaporation Rate** | No information available |
| **Flammability (solid, gas)** | No information available |
| **Flammability Limit in Air** | |
| **Upper flammability limit:** | No information available |
| **Lower flammability limit:** | No information available |
| **Vapor pressure** | No information available |
| **Vapor density** | No information available |
| **Relative density** | 9.0 lb/gal |
| **Specific gravity** | 1.08 |
| **Water solubility** | No information available |
| **Solubility in other solvents** | No information available |
| **Partition coefficient** | No information available |
| **Autoignition temperature** | No information available |
| **Decomposition temperature** | No information available |
| **Viscosity, kinematic** | No information available |
| **Viscosity, dynamic** | No information available |
| **Explosive properties** | No information available |
| **Oxidizing properties** | No information available |
| **Molecular weight** | No information available |
| **Bulk density** | No information available |

## 10. STABILITY AND REACTIVITY

**Reactivity** None under normal use conditions

**Chemical Stability** Stable under recommended storage conditions.
**Possibility of Hazardous Reactions** None under normal processing.
**Hazardous polymerization** Hazardous polymerization does not occur.

**Conditions to avoid** Heat, flames and sparks
**Incompatible materials** Strong oxidizing agents.
**Hazardous Decomposition Products** Carbon monoxide (CO). Carbon dioxide ($CO_2$). Hydrogen chloride. Hydrogen fluoride. Nitrogen oxides (NOx). Sulfur oxides.

## 11. TOXICOLOGICAL INFORMATION

**Product Information**

| | |
|---|---|
| **LD50 Oral** | 4077 mg/kg (rat) |
| **LD50 Dermal** | > 4000 mg/kg (rat) |
| **LC50 Inhalation** | > 6.31 mg/L 4 hr (rat) |

**Serious eye damage/eye irritation** Mildly irritating.
**Skin corrosion/irritation** Mildly irritating (rabbit).
**Sensitization** Non-sensitizing

| Chemical name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---|---|---|
| Naphtha (petroleum), heavy aromatic (64742-94-5) | 300-2000 mg/kg | > 2 mL/kg ( Rabbit ) | >5,2 mg/L |
| 2-Methylnaphthalene* (91-57-6) | = 1630 mg/kg ( Rat ) | | |
| 1-Methylnaphthalene* (90-12-0) | = 1840 mg/kg ( Rat ) | | |
| n-Butanol (71-36-3) | = 700 mg/kg ( Rat ) = 790 mg/kg ( Rat ) | = 3400 mg/kg ( Rabbit ) = 3402 mg/kg ( Rabbit ) | > 8000 ppm ( Rat ) 4 h |
| Naphthalene* (91-20-3) | = 1110 mg/kg ( Rat ) = 490 mg/kg ( Rat ) | = 1120 mg/kg ( Rabbit ) > 20 g/kg ( Rabbit ) | > 340 mg/m$^3$ ( Rat ) 1 h |

**Information on toxicological effects**

**Symptoms** Signs of toxicity in laboratory animals included mydriasis, cyanosis, ataxia, dyspnea, lacrimation, and diarrhea.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic toxicity** Long-term exposure caused neurotoxicity (body tremors, decreased motor activity), decreased body weight and increased liver and spleen weight.

**Mutagenicity** Carfentrazone-ethyl : Not genotoxic in laboratory studies.

**Carcinogenicity** Carfentrazone-ethyl : No evidence of carcinogenicity from animal studies. There was no evidence of carcinogenic activity of naphthalene in male mice, but there was some evidence of carcinogenic activity in female mice and clear evidence of carcinogenic activity in male and female rats in 2-year inhalation studies conducted by the National Toxicology Program (NTP).

**Neurological effects** Carfentrazone-ethyl : Not neurotoxic.

**Reproductive toxicity** Carfentrazone-ethyl : No toxicity to reproduction in animal studies.

**Developmental toxicity** Carfentrazone-ethyl : Not teratogenic in animal studies.

**STOT - single exposure** Not classified.
**STOT - repeated exposure** Not classified.

**Neurological effects** Carfentrazone-ethyl : Not neurotoxic.

**Aspiration hazard** Potential for aspiration if swallowed. Vomiting after ingestion of this product may cause aspiration of aromatic hydrocarbons into the lungs, which may result in fatal pulmonary edema.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| Naphthalene* 91-20-3 | A3 | Group 2B | Reasonably Anticipated | X |

**Legend:**
*ACGIH (American Conference of Governmental Industrial Hygienists)*
*A3 - Animal Carcinogen*
*IARC (International Agency for Research on Cancer)*
*Group 2B - Possibly Carcinogenic to Humans*
*NTP (National Toxicology Program)*
*Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen*
*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*
*X - Present*

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

| **Carfentrazone-ethyl (128639-02-1)** | | | | |
|---|---|---|---|---|
| Active Ingredient(s) | Duration | Species | Value | Units |
| | 72 h EC50 | Algae | 0.012 | mg/L |
| | 96 h LC50 | Fish | 1.6 | mg/L |
| | 48 h LC50 | Daphnia | >9.8 | mg/L |
| | 96 h NOEC | Algae | 1.0 | µg/L |
| | 21 d NOEC | Fish | 0.0187 | mg/L |
| | 21 d NOEC | Crustacea | 0.22 | mg/L |

| **Chemical name** | **Toxicity to algae** | **Toxicity to fish** | **Toxicity to daphnia and other aquatic invertebrates** |
|---|---|---|---|
| Naphtha (petroleum), heavy aromatic<br>64742-94-5 | 72 h EC50: = 2,5 mg/L (Skeletonema costatum) | 96 h LC50: = 1740 mg/L (Lepomis macrochirus) static 96 h LC50: = 19 mg/L (Pimephales promelas) static 96 h LC50: = 2,34 mg/L (Oncorhynchus mykiss) 96 h LC50: = 41 mg/L (Pimephales promelas) 96 h LC50: = 45 mg/L (Pimephales promelas) flow-through | 48 h EC50: = 0,95 mg/L (Daphnia magna) |
| n-Butanol<br>71-36-3 | 72 h EC50: > 500 mg/L (Desmodesmus subspicatus) 96 h EC50: > 500 mg/L (Desmodesmus subspicatus) | 96 h LC50: 100000 - 500000 µg/L (Lepomis macrochirus) static 96 h LC50: 1730 - 1910 mg/L (Pimephales promelas) static 96 h LC50: = 1740 mg/L (Pimephales promelas) flow-through 96 h LC50: = 1910000 µg/L (Pimephales promelas) static | 48 h EC50: 1897 - 2072 mg/L (Daphnia magna) Static 48 h EC50: = 1983 mg/L (Daphnia magna) |
| Naphthalene*<br>91-20-3 | 72 h EC50: = 0.4 mg/L (Skeletonema costatum) | 96 h LC50: 0.91 - 2.82 mg/L (Oncorhynchus mykiss) static 96 h LC50: 5.74 - 6.44 mg/L (Pimephales promelas) flow-through 96 h LC50: = 1.6 mg/L (Oncorhynchus mykiss) flow-through 96 h LC50: = 1.99 mg/L (Pimephales promelas) static 96 h LC50: = 31.0265 mg/L (Lepomis macrochirus) static | 48 h EC50: 1.09 - 3.4 mg/L (Daphnia magna) Static 48 h EC50: = 1.96 mg/L (Daphnia magna) Flow through 48 h LC50: = 2.16 mg/L (Daphnia magna) |

**Persistence and degradability** Carfentrazone-ethyl : Non-persistent. Readily hydrolyzed. Not readily biodegradable.

**Bioaccumulation** Carfentrazone-ethyl : The substance does not have a potential for bioconcentration.

**Mobility** Carfentrazone-ethyl : Mobility in soil: Not relevant.

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal methods** Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in Sections 7 and 8, must be worn while handling materials for waste disposal.

**Contaminated Packaging** Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions. Do not reuse or refill this container.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated for transportation if shipped in Non Bulk packaging. The classification below pertains to the shipment in Bulk packaging.

**UN/ID no** UN3082
**Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s. (Carfentrazone-ethyl)
**Hazard class** 9

| | |
|---|---|
| **Packing Group** | III |
| **Reportable Quantity (RQ)** | Napthalene (100 lb) |
| **Marine Pollutant** | Carfentrazone-ethyl . |
| **Description** | UN3082, Environmentally hazardous substance, liquid, n.o.s. (Carfentrazone-ethyl), 9, III |

**TDG**

Classification below is only applicable when shipped by vessel and is not applicable when shipped by road or rail only.

| | |
|---|---|
| **UN/ID no** | UN3082 |
| **Proper Shipping Name** | Environmentally hazardous substance, liquid, n.o.s. (Carfentrazone-ethyl) |
| **Hazard class** | 9 |
| **Packing Group** | III |
| **Marine Pollutant** | Carfentrazone-ethyl . |
| **Description** | UN3082, Environmentally hazardous substance, liquid, n.o.s. (Carfentrazone-ethyl), 9, III, Marine Pollutant |

**ICAO/IATA**

| | |
|---|---|
| **UN/ID no** | UN3082 |
| **Proper Shipping Name** | Environmentally hazardous substance, liquid, n.o.s. (Carfentrazone-ethyl) |
| **Hazard class** | 9 |
| **Packing Group** | III |
| **Description** | UN3082, Environmentally hazardous substance, liquid, n.o.s. (Carfentrazone-ethyl), 9, III, Marine Pollutant |

**IMDG/IMO**

| | |
|---|---|
| **UN/ID no** | UN3082 |
| **Proper Shipping Name** | Environmentally hazardous substance, liquid, n.o.s. (Carfentrazone-ethyl) |
| **Hazard class** | 9 |
| **Packing Group** | III |
| **EmS No.** | F-A, S-F |
| **Marine Pollutant** | Carfentrazone-ethyl |
| **Description** | UN3082, Environmentally hazardous substance, liquid, n.o.s. (Carfentrazone-ethyl), 9, III, Marine Pollutant |

## 15. REGULATORY INFORMATION

## U.S. Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical name | CAS-No | Weight % | SARA 313 - Threshold Values % |
|---|---|---|---|
| n-Butanol - 71-36-3 | 71-36-3 | 1-5 | 1.0 |
| Naphthalene* - 91-20-3 | 91-20-3 | 0.1-1 | 0.1 |

**SARA 311/312 Hazard Categories**

| | |
|---|---|
| **Acute health hazard** | Yes |
| **Chronic health hazard** | Yes |
| **Fire hazard** | Yes |
| **Sudden release of pressure hazard** | No |
| **Reactive Hazard** | No |

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|---|---|---|---|
| Naphthalene* | 100 lb | X | X | X |

| | | | | |
|---|---|---|---|---|
| 91-20-3 | | | | |

**CERCLA**
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical name | Hazardous Substances RQs | Extremely Hazardous Substances RQs |
|---|---|---|
| n-Butanol<br>71-36-3 | 5000 lb<br>2270 kg | |
| Naphthalene*<br>91-20-3 | 100 lb<br>45.4 kg | |

*FIFRA Information*

*This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:*

*CAUTION*
*Harmful if swallowed, absorbed through the skin or inhaled. Causes moderate eye irritation.*
*Carfentrazone-ethyl is very toxic to algae and moderately toxic to fish.*

## US State Regulations

**California Proposition 65**
This product contains the following Proposition 65 chemicals.

| Chemical name | California Prop. 65 |
|---|---|
| Naphthalene* - 91-20-3 | Carcinogen |

**U.S. State Right-to-Know Regulations**

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| 2-Methylnaphthalene*<br>91-57-6 | X | | |
| 1-Methylnaphthalene*<br>90-12-0 | X | X | X |
| n-Butanol<br>71-36-3 | X | X | X |
| Naphthalene*<br>91-20-3 | X | X | X |

**International Inventories**

| Chemical name | TSCA (United States) | DSL (Canada) | EINECS/ELINCS (Europe) | ENCS (Japan) | China (IECSC) | KECL (Korea) | PICCS (Philippines) | AICS (Australia) |
|---|---|---|---|---|---|---|---|---|
| Naphtha (petroleum), heavy aromatic<br>64742-94-5 | X | X | X | | X | X | X | X |
| 2-Methylnaphthalene*<br>91-57-6 | X | X | X | X | X | | X | X |
| Carfentrazone-ethyl<br>128639-02-1 | | | | | X | | | |
| 1-Methylnaphthalene*<br>90-12-0 | X | X | X | X | X | | X | X |
| n-Butanol<br>71-36-3 | X | X | X | X | X | X | X | X |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Naphthalene*<br>91-20-3 | X | X | X | X | X | X | X | X |

**Mexico - Grade** Serious risk, Grade 3

| Chemical name | Carcinogen Status | Mexico |
|---|---|---|
| 2-Methylnaphthalene* | | Mexico: TWA 0.5 ppm |
| 1-Methylnaphthalene* | | Mexico: TWA 0.5 ppm |
| n-Butanol | | Mexico: TWA 20 ppm |
| Naphthalene* | | Mexico: TWA 10 ppm<br>Mexico: TWA 50 mg/m$^3$<br>Mexico: STEL 15 ppm |

**CANADA**

**WHMIS Statement**
This product has been classified in accordance with the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

**WHMIS Hazard Class** B3 - Combustible liquid
D2A - Very toxic materials

## 16. OTHER INFORMATION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazards** 1 | **Flammability** 2 | **Instability** 0 | **Special Hazards** - |
| **HMIS** | **Health Hazards** 1* | **Flammability** 2 | **Physical hazard** 0 | **Personal Protection** X |

**Indicates a chronic health hazard.*

**NFPA/HMIS Ratings Legend** Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

**Revision date:** 2019-05-01
**Reason for revision:** SDS sections updated

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**End of Safety Data Sheet**