

SAFETY DATA SHEET

Courier® SC Insect Growth Regulator

Section 1. Identification

| | |
|---|---|
| GHS product identifier | : Courier® SC Insect Growth Regulator |
| Other means of identification | : Active ingredient: Common name: Buprofezin Chemical name: 2-[(1,1-dimethylethyl)imino]tetrahydro-3-(1-methylethyl)-5-phenyl-4H-1,3,5-thiadiazin-4-one |
| Product code | : EPA Registration Number: 71711-20 |
| Product use | : Insecticide. Suspension Concentrate. |
| Supplier's details | : Nichino America Inc 4550 Linden Hill Road, Suite 501 Wilmington, DE 19808 United States Telephone number: 302-636-9001 |
| e-mail address of person responsible for this SDS | : Not available. |
| Emergency telephone number (with hours of operation) | : In case of fire or spill: (800) 424-9300 (24 hours per day) For international shipments: (703) 527-3887 (24 hours per day) For emergency health and safety inquiries: (800) 348-5832 (24 hours per day) |

Section 2. Hazards identification

| | |
|---|--|
| OSHA/HCS status | : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| Classification of the substance or mixture | : Not classified. |
| <u>GHS label elements</u> | |
| Signal word | : No signal word. |
| Hazard statements | : No known significant effects or critical hazards. |
| <u>Precautionary statements</u> | |
| Prevention | : Not applicable. |
| Response | : Not applicable. |
| Storage | : Not applicable. |
| Disposal | : Not applicable. |
| Hazards not otherwise classified | : None known. |

Section 3. Composition/information on ingredients

| | |
|--------------------------------------|--|
| Substance/mixture | : Mixture |
| Other means of identification | : Active ingredient: Common name: Buprofezin Chemical name: 2-[(1,1-dimethylethyl)imino]tetrahydro-3-(1-methylethyl)-5-phenyl-4H-1,3,5-thiadiazin-4-one |
| Product code | : EPA Registration Number: 71711-20 |

Section 3. Composition/information on ingredients

| Ingredient name | % | CAS number |
|--|-----------|-------------|
| Buprofezin | 40 | 953030-84-7 |
| 4-Nonylphenol, branched, ethoxylated | 0.5 - 1.5 | 127087-87-0 |
| propane-1,2-diol | 0.5 - 1.5 | 57-55-6 |
| Sodium hydroxide | <0.1 | 1310-73-2 |
| 1,4-dioxane | <0.1 | 123-91-1 |
| Acetaldehyde | <0.1 | 75-07-0 |
| ethylene oxide | <0.1 | 75-21-8 |
| styrene | <0.1 | 100-42-5 |
| The specific chemical identity and/or percentage of composition is being withheld as a trade secret | | |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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 necessary 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. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : No specific data.
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

Section 4. First aid measures

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use dry chemical, CO₂, water spray (fog) or foam. Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : Do not use water jet.

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
nitrogen oxides
sulfur oxides

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. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : 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).

Methods and materials for containment and cleaning up

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. 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. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Store and use away from heat, sparks, open flame or any other ignition source.
- 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

Occupational exposure limits

| Ingredient name | Exposure limits |
|------------------|---|
| sodium hydroxide | ACGIH TLV (United States, 3/2020). C: 2 mg/m ³ NIOSH REL (United States, 10/2016). CEIL: 2 mg/m ³ OSHA PEL (United States, 5/2018). TWA: 2 mg/m ³ 8 hours. |
| Acetaldehyde | ACGIH TLV (United States, 3/2019). C: 25 ppm C: 45 mg/m ³ OSHA PEL (United States, 5/2018). TWA: 200 ppm 8 hours. TWA: 360 mg/m ³ 8 hours. |
| styrene | ACGIH TLV (United States, 1/2021). Ototoxicant. TWA: 10 ppm 8 hours. STEL: 20 ppm 15 minutes. OSHA PEL Z2 (United States, 2/2013). TWA: 100 ppm 8 hours. CEIL: 200 ppm AMP: 600 ppm 5 minutes. NIOSH REL (United States, 10/2020). TWA: 50 ppm 10 hours. TWA: 215 mg/m ³ 10 hours. STEL: 100 ppm 15 minutes. STEL: 425 mg/m ³ 15 minutes. |

Biological exposure indices

None 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.

Section 8. Exposure controls/personal protection

Individual protection measures

- 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: safety glasses with side-shields.
- 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.
Recommended: Chemical-resistant gloves made of butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene ≥ 14 mils, natural rubbers ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils.
- 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.
Recommended: Ensure an MSHA/NIOSH-approved respirator or equivalent is used.

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.

Appearance

- Physical state** : Liquid.
- Color** : Off-white.
- Odor** : No characteristic odor.
- Odor threshold** : Not available.
- pH** : 6.35 [Conc. (% w/v): 1%]
- Melting point/freezing point** : Not available.
- Boiling point, initial boiling point, and boiling range** : Not available.
- Flash point** : >93°C (>199.4°F)
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not available.
- Vapor pressure** : Not available.
- Relative vapor density** : Not available.
- Relative density** : Not available.

SECTION 9: Physical and chemical properties and safety characteristics

| | |
|--|--|
| Density | : 1.09 g/mL (25°C/77°F) |
| Solubility in water | : Not available. |
| Partition coefficient: n-octanol/water | : Not applicable. |
| Auto-ignition temperature | : Not available. |
| Decomposition temperature | : Not available. |
| Viscosity | : 695 mm ² /s (695 mPa·s) [20°C/68°F] |
| Explosive properties | : Not available. |
| Oxidizing properties | : Not available. |
| Particle characteristics | |
| Median particle size | : Not applicable. |

Section 10. Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| Chemical stability | : The product is stable. |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous polymerization will not occur. |
| Conditions to avoid | : Keep away from heat, sparks and flame. |
| Incompatible materials | : No specific data. |
| Hazardous decomposition products | : Hazardous decomposition products (In case of fire): carbon dioxide carbon monoxide nitrogen oxides sulfur oxides |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------------------|---------------------------------|-----------------------|--|----------|
| Courier® SC Insect Growth Regulator | LC50 Inhalation Dusts and mists | Rat - Male, Female | >2.08 mg/l (maximum technically achievable concentration) | 4 hours |
| | LD50 Dermal | Rat - Male, Female | >2000 mg/kg | - |
| | LD50 Oral | Rat - Male, Female | >5000 mg/kg | - |

Conclusion/Summary : Based on available data, the classification criteria are not met.

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------------------|----------------------|---------|-------|----------|-------------|
| Courier® SC Insect Growth Regulator | Eyes - Mild irritant | Rabbit | - | - | - |
| | Skin - Mild irritant | Rabbit | - | - | - |

Section 11. Toxicological information

Conclusion/Summary

Skin : Based on available data, the classification criteria are not met.

Eyes : Based on available data, the classification criteria are not met.

Respiratory : Not available.

Sensitization

| Product/ingredient name | Route of exposure | Species | Result |
|-------------------------------------|-------------------|------------|-----------------|
| Courier® SC Insect Growth Regulator | skin | Guinea pig | Not sensitizing |

Conclusion/Summary

Skin : Based on available data, the classification criteria are not met.

Mutagenicity

| Product/ingredient name | Test | Experiment | Result |
|-------------------------|---|--|----------|
| Buprofezin | Bacterial Reverse Mutation Test | Subject: Bacteria | Negative |
| | <i>In vitro</i> Mammalian Chromosomal Aberration Test | Experiment: <i>In vitro</i> Subject: Mammalian-Animal | Negative |
| | Micronucleus-test | Subject: Mammalian-Mice | Negative |

Conclusion/Summary : Based on available data, the classification criteria are not met.

Carcinogenicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|----------|---------|------|----------|
| Buprofezin | Negative | Mouse | - | 2 years |
| | Negative | Rat | - | 2 years |

Conclusion/Summary : Based on available data, the classification criteria are not met.

Reproductive toxicity

| Product/ingredient name | Maternal toxicity | Fertility | Developmental toxin | Species | Dose | Exposure |
|-------------------------|-------------------|-----------|---------------------|---------|------|----------|
| Buprofezin | Negative | Negative | Negative | Rat | - | - |

Conclusion/Summary : Based on available data, the classification criteria are not met.

Teratogenicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|----------|---------|------|----------|
| Buprofezin | Negative | Rat | - | - |
| | Negative | Rabbit | - | - |

Conclusion/Summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Routes of entry anticipated: Inhalation, Eyes.

Potential acute health effects

Section 11. Toxicological information

- Eye contact** : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No specific data.
Inhalation : Adverse symptoms may include the following:
 respiratory tract irritation
 coughing
Skin contact : No specific data.
Ingestion : No specific data.

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

Short term exposure

- Potential immediate effects** : Not available.
Potential delayed effects : Not available.

Long term exposure

- Potential immediate effects** : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

- Conclusion/Summary** : Not available.
General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| Not applicable. | N/A | N/A | N/A | N/A | N/A |

Section 12. Ecological information

Toxicity

- Conclusion/Summary** : Not determined.

Persistence and degradability

- Conclusion/Summary** : Not available.

Bioaccumulative potential

Not available.

Section 12. Ecological information

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.
Mobility : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : 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.
 Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container disposal: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining content into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.
 Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Section 14. Transport information

| | DOT Classification | TDG Classification | Mexico Classification | ADR/RID | IMDG | IATA |
|-----------------------------------|--------------------|--------------------|-----------------------|-----------------|--|--|
| UN number | Not regulated. | Not determined. | Not determined. | Not determined. | UN3082 | UN3082 |
| UN proper shipping name | - | - | - | - | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Buprofezin) | Environmentally hazardous substance, liquid, n.o.s. (Buprofezin) |
| Transport hazard class(es) | - | - | - | - | 9 | 9 |
| Label | | | | | | |
| Packing group | - | - | - | - | III | III |
| Environmental hazards | No. | - | - | - | Marine Pollutant: Yes | Yes. |

Additional information

Section 14. Transport information

- IMDG** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
Emergency schedules F-A, S-F
Special provisions 274, 335, 969
- IATA** : This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.
Quantity limitation Passenger and Cargo Aircraft: 450 L. Packaging instructions: 964. Cargo Aircraft Only: 450 L. Packaging instructions: 964. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y964.
Special provisions A97, A158, A197

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 to IMO instruments : Not applicable.

Section 15. Regulatory information

U.S. Federal regulations : This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

EPA Registration Number: 71711-20

WARNING

Causes substantial but temporary eye injury.

Avoid contact with skin or clothing. Do not get in eyes or on clothing.

Wear protective eyewear (goggles, face shield, or safety glasses). Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves.

Clean Water Act (CWA) 311: sodium hydroxide; Acetaldehyde; styrene

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

| Name | % | EHS | SARA 302 TPQ | | SARA 304 RQ | |
|----------------|------|------|--------------|-----------|-------------|-----------|
| | | | (lbs) | (gallons) | (lbs) | (gallons) |
| ethylene oxide | <0.1 | Yes. | 1000 | - | 10 | - |

Section 15. Regulatory information

SARA 304 RQ : 5000000 lbs / 22700000 kg [5552505.2 gal / 21018518.5 L]

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

| Name | % | Classification |
|--------------------------------------|-----------|--|
| 4-Nonylphenol, branched, ethoxylated | 0.5 - 1.5 | ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A |
| sodium hydroxide | <0.1 | SKIN CORROSION - Category 1 SERIOUS EYE DAMAGE - Category 1 |
| 1,4-dioxane | <0.1 | CARCINOGENICITY - Category 2 |
| Acetaldehyde | <0.1 | CARCINOGENICITY - Category 2 |
| ethylene oxide | <0.1 | GASES UNDER PRESSURE - Compressed gas CARCINOGENICITY - Category 1A |
| styrene | <0.1 | CARCINOGENICITY - Category 1B |

SARA 313

| | Product name | CAS number | % |
|--|--------------------------------------|-------------|-----------|
| Form R - Reporting requirements | 4-Nonylphenol, branched, ethoxylated | 127087-87-0 | 0.5 - 1.5 |
| Supplier notification | 4-Nonylphenol, branched, ethoxylated | 127087-87-0 | 0.5 - 1.5 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : The following components are listed: PRECIPITATED SILICA; Silica, precipitated
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: PROPYLENE GLYCOL; 1,2-PROPANEDIOL; SILICA, AMORPHOUS, PRECIPITATE & GEL
- Pennsylvania** : The following components are listed: 1,2-PROPANEDIOL; PRECIPITATED SILICA
- California Prop. 65**

⚠ WARNING: This product can expose you to chemicals including Ethylene oxide (CAS No. 75-21-8), which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including 1,4-Dioxane (CAS No. 123-91-1), Acetaldehyde (CAS No. 75-07-0) and Styrene (CAS No. 100-42-5), which are known to the State of California to cause cancer, and Ethylene Glycol (CAS No. 107-21-1), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| Ingredient name | No significant risk level | Maximum acceptable dosage level |
|-----------------|---------------------------|---------------------------------|
| 1,4-Dioxane | Yes. | - |
| acetaldehyde | Yes. | - |
| Ethylene oxide | Yes. | Yes. |
| Styrene | Yes. | - |
| Ethylene Glycol | - | Yes. |

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Section 15. Regulatory information

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

United States : All components are active or exempted. This product is a registered pesticide.

Section 16. Other information

Procedure used to derive the classification

| Classification | Justification |
|-----------------|---------------|
| Not classified. | |

History

Date of printing : 12/13/2022

Date of issue/Date of revision : 12/13/2022

Date of previous issue : No previous validation

Version : 1

Key to abbreviations : ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 DOT = Department of Transportation
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate 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
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
 SGG = Segregation Group
 TDG = Transportation of Dangerous Goods
 UN = United Nations

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 above-named 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.