BLUE CARDINAL CHEMICAL

# SAFETY DATA SHEET

**Issue Date** 02/08/2019 **Revision Date** 03/18/2019 **Version** 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** Cherry Blossom

**Other means of identification**

**Product Code** 1958

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

**Recommended use** Deodorizing

**Uses Advised Against** For industrial and institutional use only.

**Details of the supplier of the safety data sheet**

**Company Name** Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

**Emergency telephone number**

**Emergency Telephone** CHEMTEL 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

**Classification**

| | |
|---|---|
| Flammable Liquids | Category 4 |
| Skin | Category 2 |
| Eyes | Category 2A |
| STOT Single Exposure | Category 3 |
| Chronic Toxicity | Category 2 |

**Label elements**

**Emergency Overview**

**WARNING**

**Hazard statements**

Combustible liquid (Does not sustain combustion).Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

**Appearance:** Clear (Color varies with fragrance)

**Physical state:** Liquid

**Odor:** Pleasant

### Precautionary Statements - Prevention

Keep out of reach of children. Read label before use. Keep away from heat / sparks / open flames / hot surfaces – No smoking. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. 0 Avoid release to the environment. Wear safety glasses/safety gloves.

### Precautionary Statements - Response

**IF IN EYES:** Immediately flush eyes with cold water for several minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid. **IF ON SKIN:** Wash contaminated skin with plenty of soap and water, Remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention. **IF INHALED:** Not applicable under normal use. If irritation is experienced, move person to fresh air. **IF INGESTED:** DO NOT INDUCE VOMITING, rinse mouth with water, and drink small quantities of water, Call a physician, or poison control center, and get medical attention, If victim feels nauseous stop drinking, If vomiting occurs, keep head below hips to prevent aspiration into the lungs.

### Precautionary Statements - Storage

Store in a well-ventilated place, Store locked up, Keep container tightly closed.

### Precautionary Statements - Disposal

Dispose of material in accordance with all State and Federal Guidelines and Regulations.

### In case of fire

Use dry chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials. Collect spillage

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS NO. | WEIGHT - % | TRADE SECRET |
|---|---|---|---|
| Nonylphenol Ethoxylate | 127087-87-0 | 1 - 3% | * |
| Isopropyl Alcohol | 67-63-0 | 1 - 5% | * |

***The exact percentage (concentration) of composition has been withheld as a trade secret.**

## 4. FIRST AID MEASURES

**First aid measures**

**Skin Contact** — Wash contaminated skin with plenty of soap and water, Remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention.

**Eye Contact** — Immediately flush eyes with cold water for several minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid.

**Inhalation** — Not applicable under normal use. If irritation is experienced, move person to fresh air.

**Ingestion** — DO NOT INDUCE VOMITING, rinse mouth with water, and drink small quantities of water, Call a physician, or poison control center, and get medical attention, If victim feels nauseous stop drinking, If vomiting occurs, keep head below hips to prevent aspiration into the lungs.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Does not sustain combustion, Use extinguishing media for surrounding fire.

**Unsuitable extinguishing media:** N/A

**Explosion hazard**

Combustible liquid, May flash if ignited in an enclosed area, Containers may erupt during a fire when heated excessively.

**Hazardous Decomposition**
Burning or thermal decomposition can produce, ammonia, carbon dioxide, carbon monoxide, nitrogen oxides, unburned hydrocarbons

**Protective equipment and precautions for firefighters**
Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear.


| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NFPA | Health hazards | 1 | Flammability | 1 | Reactivity | 0 | | |
| HMIS | Health hazards | 1 | Flammability | 1 | Physical Hazards | 0 | Personal Protection | B |

**NFPA**
**(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme (Scale 0-4))**

**HMIS® III**
**(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme (Scale 0-4))**

| FLAMMABLE LIQUIDS HAZARD CLASSIFICATION | |
|---|---|
| **Criteria** | Flash point > 60°C (140°F) and ≤ 93°C (200°F) |
| **NFPA** | Class III A |
| **GHS** | Category 4 |
| **WHMIS** | Class B-3 |

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**
Follow all safety precautions, Wear Personal Protective Equipment, Do not walk through spill. Warn personnel of spill, Stop spill or release only if it can be done safely, Ventilate area, Keep unprotected personnel from entering the spill area. Wear safety glasses/ gloves.

**Methods and material for containment and cleaning up**

**Methods for containment**
Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from spreading or entering the environment.

**Methods for cleaning up**
Small Spills: U se wet vacuum or mop and wringer to pick up spilled material then mop area with clean water.

Large Spills: Absorb spill with inert material, place in a chemical waste container, mop area with clean water.

**Disposal**
Dispose of material in accordance with all State and Federal Guidelines and Regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling**
Do not get in eyes, Avoid prolonged skin contact, Use appropriate safety equipment, Wash thoroughly after handling, Avoid release to the environment.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**
Store in a closed container, Store away from incompatible materials.

**Incompatible Materials**
Incompatible with, acid anhydrides, acids, amines, anionic surfactants, halogenated agents, IIsocyanates, oxidizing agents, strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

| CHEMICAL NAME | ACGIH TLV | OSHA | SIGNIFICANT EXPOSURE |
|---|---|---|---|
| Nonylphenol Ethoxylate | None Established | | ED,SI |
| Isopropyl Alcohol | 200 ppm (A4) (ACGIH (TWA 8))<br>400 ppm (ACGIH (STEL)) | 400 ppm (OSHA PEL (TWA 8))<br>500 ppm (1225 mg/m³) (OSHA (CEIL)) | CNS |

**Appropriate engineering controls**

**Engineering Controls** General Ventilation . Access to an eye wash station is a recommended safety precaution for handling / using this type of material.

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

**Eye/face protection** Wear safety glasses with side protection when handling / using this material

**Skin and body protection** Wear impervious gloves when handling / using this material

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical State** | Liquid |
| **Appearance** | Clear (Color varies with fragrance) Liquid |
| **Color** | Clear (Color varies with fragrance) |
| **Odor** | Pleasant |
| **Odor Threshold** | N/D |

| Property | Values |
|---|---|
| **Flash Point 56.1ºC (133ºF)** | 56.1ºC (133ºF) - Closed Cup - [Calculated] |
| **Flammable Limits** | Does not sustain combustion (ASTM D4206) |
| **Auto-Ignition Temp.** | N/D |
| **Solubility** | 100% |
| **Volatiles** | < 97% |
| **VOC** | 0.019% @ 1:256 |
| **LVP-VOC** | 0.00% |
| **Specific Gravity / Density** | 0.995 |
| **pH (± 0.3)** | 7.0 - 8.0 |
| **Viscosity** | N/D |
| **Freeze Point** | 0ºC (32ºF) |
| **Boiling Point** | 100ºC (212ºF) |
| **Vapor Density (air=1)** | N/D |
| **Vapor Pressure (mmHg)** | N/D |
| **Evaporation Rate (nBuAc=1)** | N/D |
| **Partition Coefficient** | N/D |
| **Molecular Weight (g/mol)** | ~ 37.56 |
| **Decomposition Temperature** | N/D |

## 10.STABILITY AND REACTIVITY

**Reactivity**
No specific test data related to reactivity available for this product or its ingredients.

**Chemical Stability**
Stable under normal ambient and anticipated conditions of use.

**Hazardous Polymerization**
Will not occur

**Conditions To Avoid**
Incompatible materials, Heat sources.

**Incompatible Materials**
Incompatible with, acid anhydrides, acids, amines, anionic surfactants, halogenated agents, IIsocyanates, oxidizing agents, strong bases.

**Hazardous Decomposition Products**
Burning or thermal decomposition can produce, ammonia, carbon dioxide, carbon monoxide, nitrogen oxides, unburned hydrocarbons.

## 11.TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

| | |
|---|---|
| **Inhalation** | Spray mist may cause mild irritation. |
| **Eye Contact** | Can cause serious eye irritation, redness, tearing, burning. |
| **Skin Contact** | May cause skin irritation. |
| **Ingestion** | May be harmful if swallowed, Minimal acute toxicity if swallowed, Symptoms may include, nausea, diarrhea, vomiting, abdominal pain. |

**Information on toxicological effects**

**Symptoms**

Eyes: Causes serious eye irritation, redness, tearing, burning, or pain

Skin: May cause skin irritation, redness, drying or cracking

Inhalation: Spray mist may cause irritation, to respiratory tract

Ingestion: May be harmful if swallowed, May cause irritation, of the mouth, throat, and esophagus, Slight acute toxicity if swallowed, Symptoms may include, nausea, diarrhea, vomiting, abdominal pain

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

**Carcinogenicity** **OSHA**: N/A **ACGIH**: N/A **NTP**: N/A **IARC**: N/A **OTHER**: N/A

***ACGIH (American Conference of Governmental Industrial Hygienists)***
***A3 - Animal Carcinogen***
***IARC (International Agency for Research on Cancer)***
***Group 2B - Possibly Carcinogenic to Humans***
***Group 3 -Not classifiable as a human carcinogen***
***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***

**Target Organ**

Respiratory Tract, Eyes (Lens or cornea), Skin

**Numerical measures of toxicity - Product Information**

**Acute Tox Category:** Not applicable (Oral >5,000 mg/kg), Not applicable (Dermal >5,000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist.

**The following values are calculated based on chapter 3.1 of the GHS document.**

| | |
|---|---|
| **ATEmix (oral)** | 21,897 mg/kg |
| **ATEmix (dermal)** | 52,274 mg/kg |
| **ATEmix (inhalation-dust/mist)** | 207.3 mg/L |

**Medical Conditions**
Preexisting, eye, skin, respiratory, disorders may be aggravated by exposure to this product

**Notes to Physician**
In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption.

| CHEMICAL NAME | Type | Form | Subject | Result Value | Exposure Time | GHS Category |
|---|---|---|---|---|---|---|
| **Isopropyl Alcohol** | LD50<br>LD50<br>LD50 | Oral<br>**Inhalation**<br>**Dermal** | Rat<br>**Rat**<br>**Rabbit** | 5,045 mg/kg<br>**78.6 mg/L**<br>**12,870 mg/kg** | 4 Hours (Vapor) | (>2000 mg/kg)<br>**(>20 mg/L)**<br>**(>2000 mg/kg)** |
| **Nonylphenol Ethoxylate** | LD50<br>LD50<br>LD50 | Oral<br>**Inhalation**<br>**Dermal** | Rat<br>**Rat**<br>**Rabbit** | 960 mg/kg<br>**1.15 mg/L**<br>**2,001 mg/kg** | 4 Hours (Mist) | 4 (>300, ≤2000 mg/kg)<br>**4 (>1.0, ≤5 mg/L)**<br>**(>2000 mg/kg)** |

## 12. ECOLOGICAL INFORMATION

| CHEMICAL NAME | Type | Subject | Subject Latin | Result Value | Exposure Time | GHS Category |
|---|---|---|---|---|---|---|
| **Isopropyl Alcohol** | LD50<br>LD50<br>EC50 | Fish<br>Fathead Minnow<br>Water Flea | *Leuciscus idus*<br>*Pimephales promelas*<br>*Daphnia magna* | >100 mg/L<br>9,640 mg/L<br>5,102 mg/L | 96 Hours<br>96 Hours<br>24 Hours | 4 (>100 mg/L)<br>4 (>100 mg/L)<br>4 (>100 mg/L) |
| **Nonylphenol Ethoxylate** | LD50<br>LD50 | Fathead Minnow<br>Water Flea | *Pimephales promelas*<br>*Daphnia magna* | 3.8 mg/L<br>9.3 mg/L | 96 Hours<br>48 Hours | 2 (>1, ≤10 mg/L)<br>2 (>1, ≤10 mg/L) |

**Persistence And Degradability**
This product is inherently biodegradable according to the OECD definition

**Bioaccumulation**
There is no evidence to suggest bioaccumulation will occur

**Mobility In Soil**
This material is a mobile liquid

**Other Adverse Effects**
Toxic to aquatic life with long lasting effects

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes**

DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. Dispose of any waste in accordance with all State and Federal Guidelines and Regulations. This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its ignitability and due to the composition containing in some or all of its components, Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste, The transportation, storage, treatment and disposal of RCRA waster material must be conducted in compliance with 40 CFR 262, 263, 264 and 270, Disposal can only occur in properly permitted facilities, Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

**Container Disposal**

Triple rinse empty container then offer for recycling. If not available, puncture and dispose in a sanitary landfill.

## 14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

**DOT**

| | |
|---|---|
| **UN/ID No.** | *Not Regulated* |
| **Proper Shipping Name** | *Not Regulated* |
| **Hazard Class** | *None* |
| **Packing Group** | *None* |
| **Marine Pollutant** | *No* |
| **Response** | *128* |

## 15. REGULATORY INFORMATION

**International Inventories**

**TSCA**

| CHEMICAL NAME | Sec 8(b) Active Inventory | Sec 8(d) Health And Safety |
|---|---|---|
| **Isopropyl Alcohol** | **Yes** | **Yes** |

**Legend:**

**TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**

**US Federal Regulations**

**Emission Reporting TRI Sec 313**

2-Propanol

**SARA 311/312 Hazard Categories**

**Acute Health Hazard**
**Chronic Health Hazard**
**Fire Hazard**
**Hazardous Chemical**

**CWA (Clean Water Act)**

Ethylene Oxide < 0.001% (75-21-8)

**US State Regulations**

**California Proposition 65**

**WARNING:** This Product can expose you to chemicals (Listed below) known to the State of California to cause cancer, birth defects or reproductive harm. For more information go to www.P65Warnings.ca.gov.

| Chemical Name | CAS # | Birth Defects | Reproductive Harm | Carcinogen | Developmental |
|---|---|---|---|---|---|
| **Ethylene Oxide < 0.001%** | 75-21-8 | | Yes | Yes | Yes |

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

*Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states:*

| Chemical Name | CA | DE | ID | ME | MA | MN | NJ | PA | NY | RI | WA | CT | FL | IL | TN | LA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Nonylphenol Ethoxylate** | X | | | | X | | X | X | | X | | | | | | |
| **Isopropyl Alcohol** | | | | | X | X | X | X | | X | | | X | | | |

**International Regulations**

The components of this product are listed on the chemical inventories of the following countries:

| Chemical Name | Australia | Canada | Europe (EINECS) | Japan | Korea | UK |
|---|---|---|---|---|---|---|
| **Nonylphenol Ethoxylate** | Yes | Yes | Yes | Yes | Yes | Yes |
| **Isopropyl Alcohol** | Yes | Yes | Yes | Yes | Yes | Yes |

**WHMIS Classification**

| Chemical Name | DSL | Class | Description |
|---|---|---|---|
| **Nonylphenol Ethoxylate, Isopropyl Alcohol** | Yes | D-2B | Materials Causing Other Toxic Effects; Toxic Material |

## 16. OTHER INFORMATION

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **NFPA** | **Health hazards** | 1 | **Flammability** | 1 | **Reactivity** | 0 | **Other** | |
| **HMIS** | **Health hazards** | 1 | **Flammability** | 1 | **Reactivity** | 0 | **Personal protection** | B |

**Issue Date** 02/08/2019
**Revision Date** 03/18/2019
**Revision Note**

**N/A = Not Applicable; N/D = Not Determined**

**Disclaimer**

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

| SDS | LEGEND DESCRIPTION | SDS | LEGEND DESCRIPTION |
|---|---|---|---|
| ~ | Approximately | KD | Kidney Damage (nephropathy) |
| ACGIH | American Conference of Governmental Industrial Hygienists | LC50 | A concentration that is lethal to 50% of a given species in a given time |
| CAS | Chemical Abstracts Service Registry | LD50 | Dose that is lethal to 50% of a given species by a given route of exposure |
| CEIL | Ceiling Limit (15 minutes) | LEL | Lower Explosive Limit |
| CERCL | Comprehensive Environmental Response, Compensation, and Liability Act | LD | Liver Damage |
| CI | Cochlear Impairment | N/A | Not Applicable |
| CNS | Central Nervous System | N/D | Not Determined |
| EC50 | Concentration of a chemical that gives half-maximal response | NE | Not Established |
| EPA | Environmental Protection Agency | NFPA | National Fire Protection Association |
| Eye | (EI = Irritation) (ED = Damage) (EV = Visual Impairment) | NIOSH | National Institute for Occupational Safety and Health |
| FBG | Full Bunker Gear | NTP | National Toxicology Program |
| GHS | Globally Harmonized System | OSHA | Occupational Safety and Health Administration |
| HAP | California Hazardous Air Pollutant Clean Air Act | PEL | Permissible Exposure Limit (OSHA) |
| HMIS-A | Safety glasses | PNS | Peripheral Nervous System |
| HMIS-B | Safety glasses, gloves | PP | California Priority Pollutant under the Clean Water Act |
| HMIS-C | Safety glasses, gloves, chemical apron | REL | Recommended exposure limit (NIOSH) |
| HMIS-D | Face shield, gloves, chemical apron | RT | Upper Respiratory Tract |
| HMIS-E | Safety glasses, gloves, dust respirator zer) | Skin | (SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer) |
| HMIS-F | Safety glasses, gloves, chemical apron, dust respirator | SARA | Superfund Amendments and Reauthorization Act |
| HMIS-G | Safety glasses, gloves, vapor respirator | STEL | Short Term Exposure Limit (15 minutes) |
| HMIS-H | Splash goggles, gloves, chemical apron, vapor respirator | TC Lo | Lowest concentration that is toxic to a given species in a given time |
| HMIS-I | Safety glasses, gloves, dust and vapor respirator | TD Lo | Lowest dose that is toxic to a given species |
| HMIS-J | Splash goggles, gloves, chemical apron, dust and vapor respirator | TLV | Threshold Limit Value (ACGIH) |
| HMIS-K | Air line hood or mask, gloves, full chemical suit, boots | TP | California Toxic Pollutant under the Clean Water Act |
| HMIS-X | Ask Supervisor | TSCA | Toxic Substances Control Act |
| HS | California Hazardous Substance under the Clean Water Act | TWA | Time Weighted Average (8 hours) |
| IG / IH | (IG = Ingested) / (IH = Inhaled - Vapors / Mists / Gas) | UEL | Upper Explosive Limit |

**End of Safety Data Sheet**