BLUE CARDINAL
• CHEMICAL •

SAFETY DATA SHEET

Issue Date 08/22/2013 **Revision Date** 12/28/2015 **Version** 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Very Berry

Other means of identification

Product Code 1409

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

Serious eye damage/eye irritation	Category 2
Flammable Liquids	Category 3

Label elements

Emergency Overview

WARNING

Hazard statements

Causes serious eye irritation.
Flammable liquid and vapor.

Appearance: Clear to yellow liquid **Physical state:** Liquid **Odor:** Berry scent

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use CO2, dry chemical, or foam for extinction.

Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Isopropyl alcohol	67-63-0	5-10	*
Sodium xylenesulfonate	1300-72-7	1-5	*

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

4. FIRST AID MEASURES

First aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact Wash with soap and water. If skin irritation persists, call a physician.

Inhalation Remove to fresh air. If symptoms develop, call a physician or poison center immediately.

Ingestion Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Most important symptoms and effect, both acute and delayed

Symptoms Direct contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. May cause skin irritation and defatting of skin with repeated/prolonged contact. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration may occur during swallowing or vomiting and cause lung damage.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Dry chemical. Foam. Carbon dioxide (CO2).

Unsuitable extinguishing media: Avoid contact with water as exothermic reaction may result.

Specific hazards arising from the chemical
Emits toxic fumes under fire conditions.

Hazardous Combustion Products: Carbon Oxides

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water may be used to cool containers to prevent pressure build up. Evacuate area of unprotected personnel. Remain upwind of fire to avoid hazardous vapors and decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition. Ventilate affected area.

Methods and material for containment and cleaning up

Methods for containment & cleaning up Prevent further leakage or spillage if safe to do so. Contain and collect with an inert absorbent and place into an appropriate container for disposal. Wash spill area with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosion-proof equipment. Ground/bond container and receiving equipment. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from sources of ignition. Keep out of the reach of children.

Incompatible materials Oxidizers such as bleach.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m^3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m^3 (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m^3	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m^3 STEL: 500 ppm STEL: 1225 mg/m^3

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses are recommended.

Skin and body protection Chemical resistant gloves recommended for sensitive skin.

Respiratory protection	Under normal conditions, respirator is not normally required. Use NIOSH approved airpurifying respirator if the potential to exceed established exposure limits exists.
General Hygiene	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear to yellow liquid
Color	Clear to yellow
Odor	Berry Scent
Odor Threshold	Not determined

Property	**Values**	**Remarks • Method**
pH	6–8	
Melting Point/Freezing Point	Not determined	
Boiling Point/Range	Not determined	
Flash Point	38–50 °C / 101–123 °F	
Evaporation Rate	> 1	(butyl acetate = 1)
Flammability (Solid, Gas)	N/A – liquid	
Upper Flammability Limit	12.7%	
Lower Flammability Limit	2%	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.0 (Water = 1)	
Water Solubility	Completely soluble	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content (%)	<18%	(Water=1)

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal 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
Keep out of reach of children.

Incompatible Materials
Oxidizers such as bleach.

Hazardous Decomposition Products
Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Skin Contact Avoid contact with skin. Prolong or repeated contact.

Eye Contact Causes serious eye irritation.

Inhalation Avoid breathing vapors or mists.

Ingestion Do not taste or swallow.

Component Information

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Alcohols, C9-11 ethoxylated 68439-46-3	= 1378 mg/kg (Rat)	> 2 g/kg (Rabbit)	-
Isopropyl alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat) = 12870 mg/kg (Rabbit)	= 72.6 mg/L (Rat) 4 h
Sodium xylenesulfonate 1300-72-7	= 7200 mg/kg (Rat)	-	-
Propylene Glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

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

Carcinogenicity Isopropyl Alcohol (IPA) is listed as an IARC Monograph Group 3 chemical. However, IARC Group 3 chemicals are “not classifiable as human carcinogens”. IPA is classified as an IARC Group 1 chemical ONLY when manufactured by the strong-acid process. The IPA used in this product is NOT manufactured by the strong-acid process and is therefore not classifiable as a human carcinogen.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 67-63-0		Group 3		**X**

Legend
IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Numerical measures of toxicity
Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity
Not determined.

Soil Mobility
Not determined.

Persistence and Degradability
Not determined.

Bioaccumulation
Not determined.

Other Adverse Effects
Not determined.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site. Do not re-use empty containers.

California Hazardous Waste Status

CHEMICAL NAME	California Hazardous Waste Status
Isopropyl alcohol 67-63-0	Toxic Ignitable

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.

Department of Transportation (DOT) *Not regulated.*

IATA

UN/ID No.	*UN1993*
Proper Shipping Name	*Flammable liquid, n.o.s. (isopropanol)*
Hazard Class	*3*
Packing Group	*III*

IMDG

UN/ID No.	*UN1993*
Proper Shipping Name	*Flammable liquid, n.o.s. (isopropanol)*
Hazard Class	*3*
Packing Group	*III*
Marine Pollutant	*No*

15. REGULATORY INFORMATION

International Inventories

CHEMICAL NAME	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Isopropyl alcohol	Present	X		Present		Present	X	Present	X	X
Sodium xylenesulfonate	Present	X		Present		Present	X	Present	X	X

Legend

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*
DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*
EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
ENCS *- Japan Existing and New Chemical Substances*
IECSC *- China Inventory of Existing Chemical Substances*
KECL *- Korean Existing and Evaluated Chemical Substances*
PICCS *- Philippines Inventory of Chemicals and Chemical Substances*
AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

CHEMICAL NAME	CAS NO.	WEIGHT - %	SARA 313 - THRESHOLD VALUES %
Isopropyl alcohol	67-63-0	7	1.0

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

US State Regulations

California Proposition 65

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

U.S. State Right-to-Know Regulations

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Isopropyl alcohol 67-63-0	X	X	X
Propylene Glycol 57-55-6	X		X

16. OTHER INFORMATION

NFPA	**Health hazards**	N/D	**Flammability**	N/D	**Reactivity**	N/D	**Other**	N/D
HMIS	**Health hazards**	1	**Flammability**	2	**Reactivity**	0	**Personal protection**	A

Issue Date	08/22/2013
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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.

End of Safety Data Sheet