

Issue Date 03/18/2020

Revision Date 01/21/2025

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Screen Clean Wipes

Other means of identification

Product Code 2348

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 2

Label elements

Emergency Overview

DANGER

Hazard statements

H225 - Highly flammable liquid and vapor



Appearance: Wipes moistened with a clear liquid

Physical state: Solid

Odor: Alcohol



Precautionary Statements - Prevention

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
P242 - Use only non-sparking tools.
P243 - Take action to prevent static discharges.
P280 - Wear protective gloves, eye protection and face protection.

Precautionary Statements - Response

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P370 + P378 - In case of fire: Use dry chemical, carbon dioxide, water spray or alcohol-resistant foam to extinguish.

Precautionary Statements - Storage

P403 + P235 - Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

P501 - Dispose of contents and container in accordance with local, regional, national and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Ethanol	0000064-17-5	60-80%	*

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

4. FIRST AID MEASURES**First aid measures**

Inhalation	Remove to fresh air.
Skin Contact	No ill effects expected. If skin irritation occurs: Get medical advice/attention.
Eye Contact	Rinse eyes cautiously with lukewarm, gently flowing water for 15 minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. Give two glasses of water. If you feel unwell or if concerned: Get medical attention. Do NOT induce vomiting unless under the advice of doctor or POISON CENTER. Note: Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet.

Most important symptoms and effect, both acute and delayed

Symptoms No data available.

Indication of any immediate medical attention and special treatment needed

Note to physicians No data available.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Dry chemical. Carbon dioxide. Water spray. Alcohol-resistant foam.

Unsuitable extinguishing media: None known.

Protective equipment and precautions for firefighters

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a build up of internal pressures. Cool with water. Empty Containers retain product residue which may exhibit hazards of material; therefore do not pressurize, cut, glaze, weld or use for any other purposes. Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors.

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Do not touch or walk through spilled material. Isolate hazard area and keep unnecessary people away. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA). Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental precautions**Environmental precautions**

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

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

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.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on safe handling**

Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

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

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Containers that have been opened must be carefully resealed to prevent leakage. Store at temperatures under 120°F.

FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY. FOR USE BY TRAINED PERSONNEL ONLY. KEEP FROM FREEZING.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Eye Protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter.

CHEMICAL NAME	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA Carcinogen	OSHA Skin designation	OSHA Tables (Z1, Z2, Z3)	ACGIH TWA (mg/m3)
Ethanol	1900	1000					1	
Hydrogen Peroxide	1.4	1					1	

CHEMICAL NAME	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)
Ethanol			1000	A3	URT irr	A3	1900	1000
Hydrogen Peroxide	1			A3	Eye, URT & skin irr	A3	1.4	1

CHEMICAL NAME	NIOSH STEL (mg/m3)	NIOSH STEL (ppm)	NIOSH Carcinogen
Ethanol			
Hydrogen Peroxide			

A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, irr - Irritation, URT - Upper respiratory tract

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Solid
Appearance	Wipes moistened with a clear liquid
Color	Clear
Odor	Alcohol
Odor Threshold	N.A.

<u>Property</u>	<u>Values</u>
pH	N.A.
Water Solubility	N.A.
Flammability	Flash point below 73°F/23°C
Flash Point	63.5°F
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.
Melting Point	N.A.
Freezing Point	N.A.
Low Boiling Point	172.9°F
High Boiling Point	N.A.
Decomposition Pt	N.A.
Auto Ignition Temp	N.A.
Evaporation Rate	N.A.
VOC Composite Partial Pressure	N.A.
Density	7.06 lb/gal
Density VOC	5.65 lb/gal
% VOC	80.00%

10. STABILITY AND REACTIVITY**Reactivity**

The product is stable under normal storage conditions.

Conditions To Avoid

Keep away from heat, sparks, extreme temperature, flame, other sources of ignition and incompatible materials.

Incompatible Materials

None known.

Hazardous Reactions/Polymerization

Will not occur.

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION**Information on toxicological effects**

Skin Corrosion/Irritation	No data available.
Serious Eye Damage/Irritation	No data available.
Carcinogenicity	No data available.

Germ Cell Mutagenicity	No data available.
Reproductive Toxicity	No data available.
Respiratory/Skin Sensitization	No data available.
Specific Target Organ Toxicity - Single Exposure	No data available.
Specific Target Organ Toxicity - Repeated Exposure	No data available.
Aspiration Hazard	No data available.
Acute Toxicity	No data available.
Likely Routes of Exposure	Inhalation, Ingestion, Skin contact, Eye contact

12. ECOLOGICAL INFORMATION

Ecotoxicity

0000064-17-5 Ethanol

S gairdneri: 13.0g/l (96hr LC50)

Nauplii : 858 g/l (48hr EC50)

Ceriodaphnia dubia : 9.6mg/l (10 day NOEC)

Freshwater Fish 250mg/l (NOEC) Reference: REACH registration Dossier.

Persistence and Degradability

0000064-17-5 Ethanol

Readily biodegradable. Half-life in air = 38 h

0007722-84-1 Hydrogen Peroxide

Readily biodegradable.

Bioaccumulation

0000064-17-5 Ethanol

Substance has a low potential for bioaccumulation (log Kow3),

0007722-84-1 Hydrogen Peroxide

No potential for bioaccumulation.

Soil Mobility

No data available.

Other Adverse Effects

No data available.

Results of the PBT and vPvB assessment

No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of Wastes

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

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.

	U.S. DOT Information	IMDG Information	IATA Information
UN number	UN3175	UN3175	UN3175
Proper shipping name	Solids containing flammable liquid, n.o.s. (ethanol)	Solids containing flammable liquid, n.o.s. (ethanol)	Solids containing flammable liquid, n.o.s. (ethanol)
Hazard class	4.1	4.1	4.1
Packaging group	II	II	II
Hazardous substance (RQ)	No Data Available		
Marine Pollutant	No Data Available	No Data Available	
Note / Special Provision	(LTD QTY)	(LTD QTY)	(LTD QTY)
Toxic-Inhalation Hazard	No Data Available		

15. REGULATORY INFORMATION

CHEMICAL NAME	CAS	IMDG INFORMATION	IATA INFORMATION
Ethanol	0000064-17-5	60% - 80%	SARA312, VOC, TSCA, ACGIH, OSHA
Hydrogen Peroxide	0007722-84-1	Trace	SARA312, TSCA, ACGIH, OSHA

16. OTHER INFORMATION

NFPA	Health hazards	1	Flammability	3	Reactivity	0	Other	
HMIS	Health hazards	1	Flammability	3	Reactivity	0	Personal protection	N/A

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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