BLUE CARDINAL
• CHEMICAL •

SAFETY DATA SHEET

Issue Date 12/27/2022 **Revision Date** 05/17/2023 **Version** 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Mildew Majic

Other means of identification

Product Code 1658

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

Met. Corr. 1	H290
Skin Corr. 1	H314

Full text of H-phrases: see section 16

Label elements

Emergency Overview

DANGER

Hazard statements

May be corrosive to metals.
Causes severe skin burns and eye damage.

Appearance: Translucent Gel Liquid **Physical state:** Liquid **Odor:** Chlorine-like

Precautionary Statements - Prevention

Keep only in original container. Do not breathe mist, spray. Wash thoroughly after handling Wear eye protection, protective clothing, protective gloves.

Precautionary Statements - Response

If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER. Specific treatment (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store locked up. Store in corrosive resistant container with a resistant inner liner.

Precautionary Statements - Disposal

Dispose of contents/container to comply with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC)

Other Information

• No additional information available.

Unknown Acute Toxicity Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET	CLASSIFICATION (GHS-US)
Potassium Hydroxide (Buffering Agents)	1310-58-3	1-5	*	Acute Tox. 3 (Oral), H301 Skin Corr. 1, H314 Eye Dam. 1, H318
sodium hypochlorite, solution… % Cl active (Cleansing Agent)	7681-52-9	1-5	*	Ox. Liq. 2, H272 Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335

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

4. FIRST AID MEASURES

First aid measures

General Advice If you feel unwell, seek medical advice (show the label where possible).

Skin Contact Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Inhalation Remove person to fresh air and keep comfortable for breathing.

Ingestion Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

Most important symptoms and effect, both acute and delayed

Symptoms Causes severe skin burns and eye damage.
Inhalation: May cause respiratory irritation.
Skin Contact: Caustic burns/corrosion of the skin.
Eye Contact: Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
Ingestion: May be harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints. Cramps. Nausea.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
All extinguishing media allowed.

Specific hazards arising from the chemical
Heat and acid contamination will produce irritating and toxic fumes. May decompose, generating irritating chlorine gas.

Protective equipment and precautions for firefighters
Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Isolate from fire, if possible, without unnecessary risk.
For non-emergency personnel: Protective goggles. Gloves. Protective clothing. Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.
For emergency responders: Equip cleanup crew with proper protection. Stop leak if safe to do so. Stop release. Ventilate area.

Environmental precautions

Environmental precautions Avoid release to the environment. Prevent soil and water pollution.

Methods and material for containment and cleaning up

Methods for containment & cleaning up This material and its container must be disposed of in a safe way, and as per local legislation. Contain released product, collect/pump into suitable containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage conditions Comply with applicable regulations. Keep container closed when not in use. Meet the legal requirements. Store in a dry area. Store in a cool area.

Incompatible products Acids. reducing agents. organic materials. Cellulose. Oxidisable materials. ammonia. urea. ammonium salts. ethyleneimine. cyanides. Nitrogen compounds. alcohols. Metal oxides. metals.

Incompatible materials Heat sources. Direct sunlight. ultra-violet light.

Information on mixed storage (Strong) Acids.

Special rules on packaging Meet the legal requirements. Keep only in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

POTASSIUM HYDROXIDE (1310-58-3)		
ACGIH	ACGIH OEL C	2 mg/m³
ACGIH	Remark (ACGIH)	URT, eye, & skin irr

SODIUM HYPOCHLORITE, SOLUTION… % CL ACTIVE (7681-52-9)
Not applicable

Individual protection measures, such as personal protective equipment

Personal Protective Equipment Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Safety glasses. Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Translucent Gel Liquid
Color	Translucent
Odor	Chlorine-like
Odor Threshold	No data available

Property	**Values**
pH	12 – 13
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 200 °F Closed Cup
Relative evaporation rate (butylacetate=1)	No data available
Flammability	No data available
Explosive limits	No data available
Explosive properties	No data available
Oxidising properties	No data available
Vapour pressure	No data available
Relative density	No data available
Relative vapour density at 20°C	No data available
Density	1.03 g/ml
Solubility	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	No data available
Partition coefficient n-octanol/water (Log Kow)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
VOC content	0 %

10. STABILITY AND REACTIVITY

Reactivity
Thermal decomposition may produce chlorine, sodium oxide, oxygen, oxides of chlorine, sodium chlorate, and hydrogen.

Chemical Stability
Stable under normal conditions.

Possibility Of Hazardous Reactions
Refer to section 10.1 on Reactivity.

Conditions to Avoid
No additional information available.

Incompatible Materials
No additional information available.

Hazardous Decomposition Products
Heat and acid contamination will produce irritating and toxic fumes. May decompose, generating irritating chlorine gas.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity Not classified

POTASSIUM HYDROXIDE (1310-58-3)	
LD50 oral rat	273 mg/kg (Rat, Oral)
ATE CLP (oral)	273 mg/kg bodyweight

Symptoms
Inhalation: May cause respiratory irritation.
Skin Contact: Caustic burns/corrosion of the skin.
Eye Contact: Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
Ingestion: May be harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints. Cramps. Nausea.

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

Skin corrosion/irritation Causes severe skin burns.
pH: 12 – 13

Serious eye damage/irritation Not classified.
pH: 12 – 13

Respiratory or skin sensitisation Not classified

Germ cell mutagenicity Not classified

Carcinogenicity Not classified

Reproductive toxicity Not classified

STOT-single exposure Not classified

STOT-repeated exposure Not classified

Aspiration hazard Not classified

12. ECOLOGICAL INFORMATION

Ecotoxicity

POTASSIUM HYDROXIDE (1310-58-3)	
LC50 - Fish [1]	80 mg/l (96 h, Gambusia affinis, Pure substance)

Persistence and Degradability

POTASSIUM HYDROXIDE (1310-58-3)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Bioaccumulation

POTASSIUM HYDROXIDE (1310-58-3)	
Bioaccumulative potential	Not bioaccumulative.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of Wastes Dispose in a safe manner in accordance with local/national regulations.

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)

Transport document description (DOT)	*UN1760 Corrosive liquids, n.o.s. (Sodium Hypochlorite, Potassium Hydroxide), 8, II*
UN-No.(DOT)	*UN1760*
Proper Shipping Name (DOT)	*Corrosive liquids, n.o.s.*
Class (DOT)	*8 - Class 8 - Corrosive material 49 CFR 173.136*
Hazard labels (DOT)	*8 - Corrosive*
Packing group (DOT)	*II - Medium Danger*
DOT Packaging Non Bulk (49 CFR 173.xxx)	*202*
DOT Packaging Bulk (49 CFR 173.xxx)	*242*
DOT Symbols	*G - Identifies PSN requiring a technical name*
DOT Special Provisions (49 CFR 172.102)	*B2,IB2,T11,TP2,TP27*
DOT Packaging Exceptions (49 CFR 173.xxx)	*154*
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	*1 L*
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	*30 L*

DOT Vessel Stowage Location *B*

DOT Vessel Stowage Other *40 - Stow "clear of living quarters"*

Additional information

Emergency Response Guide (ERG) Number *154*

Other information *When transported by ground, this product may be eligible to be shipped as a Limited Quantity utilizing the exception found at 49 CFR 173.154. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may be required.*

ADR
No additional information available.

Transport by sea
No additional information available.

Air transport
No additional information available.

15. REGULATORY INFORMATION

International Inventories

TSCA All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Potassium Hydroxide	(1310-58-3)	CERCLA RQ1000 lb
Sodium hypochlorite, solution… % Cl active	(7681-52-9)	CERCLA RQ100 lb

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

16. OTHER INFORMATION

NFPA	**Health hazards**	3	**Flammability**	0	**Reactivity**	0	**Other**	
HMIS	**Health hazards**	3	**Flammability**	0	**Reactivity**	0	**Personal protection**	

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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