

Issue Date 05/21/2015

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Maintain

Other means of identification

Product Code 1188

Recommended use of the chemical and restrictions on use

Recommended use Neutral pH Floor Cleaner
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

NMC CLASSIFICATION: Health-1, Flammability-0, Reactivity-0

Label elements

Emergency Overview

WARNING

Hazard statements

Causes eye irritation. May cause an allergic skin reaction.



Appearance: Blue liquid

Physical state: Liquid

Odor: Citrus



Precautionary Statements - Prevention

Keep out of reach of children. Keep container tightly closed. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

IF ON SKIN: Rinse with water/shower. Wash contaminated clothing before reuse. 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.

Precautionary Statements - Storage

Store in well ventilated place. Store in closed container.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS NO. | WEIGHT - % | TRADE SECRET |
|---|--------------|------------|--------------|
| Chelating Agent (Exposure limits shown are for sodium hydroxide) | Trade Secret | 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 thoroughly with soap and water. Wash contaminated clothing before reuse. If irritation persists contact a physician. |
| Eye Contact | Immediately flush eyes with large quantities of water for at least 15 minutes, periodically lifting upper and lower lids to ensure washing of entire surface. Seek medical attention. |
| Inhalation | Remove to fresh air. Get medical attention if irritation persists. |
| Ingestion | Give large quantities of water. Do not give anything by mouth to an unconscious person. If vomiting occurs spontaneously keep head below hips to prevent aspiration. Get medical attention. |

Indication of any immediate medical attention and special treatment needed

Note to physicians None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Suitable for adjacent fire

Protective equipment and precautions for firefighters

Use protective equipment and clothing suitable for adjacent fire.

6. ACCIDENTAL RELEASE MEASURES

Methods and material for containment and cleaning up

| | |
|--|---|
| Methods for containment & cleaning up | For small spills, absorb spillage with clay or other suitable absorbent and put in a container for disposal. For large spills, contain spill to prevent entering sewer or waterway and pump to a suitable holding container for disposal. |
|--|---|

7. HANDLING AND STORAGE

Precautions for safe handling

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|--------------------------------|--|
| Advice on Safe Handling | FOR INDUSTRIAL USE ONLY. Avoid skin and eye contact by wearing protective equipment and clothing. KEEP OUT OF REACH OF CHILDREN. Wash thoroughly after handling. |
|--------------------------------|--|

Conditions for safe storage, including any incompatibilities

| | |
|---------------------------|--|
| Storage Conditions | Store closed containers in cool, well-ventilated area. Do not store in metal containers. |
|---------------------------|--|

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

| CHEMICAL NAME | ACGIH TLV | OSHA PEL |
|-----------------|-----------|----------|
| Chelating Agent | 2M,C | 2M,C |

Appropriate engineering controls

Engineering Controls Use in well-ventilated area.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses, chemical splash goggles preferred.

Skin and body protection PROTECTIVE GLOVES: Chemically impervious

Respiratory protection When exposure limits are exceeded, use of a NIOSH/MSHA approved organic vapor, dust/mist respirator is recommended.

Additional Measures Safety shower, eye bath and washing facilities should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid

Appearance Blue liquid

Color Blue

Odor Lemon

| <u>Property</u> | <u>Values</u> |
|------------------------------------|-----------------------|
| SPECIFIC GRAVITY (water=1) | 1.013 |
| FLASH POINT | None (Tag Closed Cup) |
| STABILITY | Stable |
| BOILING POINT (F) | >212 |
| FREEZE POINT (F) | < 32 |
| VAPOR PRESSURE (mmHg) | ND |
| VAPOR DENSITY (air=1) | >1 |
| SOLUBILITY IN WATER | Complete |
| PERCENT VOLATILE BY VOLUME (%) | 94 |
| EVAPORATION RATE (butyl acetate=1) | <1 |
| pH (AS RECEIVED) | 7.0 |

10. STABILITY AND REACTIVITY

Hazardous polymerization

Will not occur

Conditions To Avoid

Do not store in metal containers.

Incompatible Materials

Strong oxidizers

Hazardous Decomposition Products

Oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Eyes, Inhalation, Skin

Product Information

| | |
|---------------------|-------------------------------|
| Skin Contact | Moderate skin irritation |
| Eye Contact | Moderate eye irritation |
| Inhalation | Respiratory support |
| Ingestion | Medical attention immediately |

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

Carcinogenicity OSHA: No ACGIH: NTP: IARC: OTHER:

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

| | |
|-------------------------------------|---|
| Medical Condition Aggravated | Respiratory and skin problems such as open cuts or sores. |
| Acute Health Hazards | Mild to moderate eye irritation producing redness and stinging. May produce some degree of skin irritation. Breathing concentrated vapors or mists may product irritation of the respiratory system and coughing. |
| Chronic Health Hazards | Chelating agent components have caused birth defects in laboratory animals, but only at exaggerated doses that were toxic to the mother. |

12. ECOLOGICAL INFORMATION

Soil Mobility

No further relevant information available

Biodegradability

No further relevant information available

Bioaccumulation

No further relevant information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|---------------------------|--|
| Disposal of wastes | Disposal should be made in accordance with federal, state and local 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.

DOT**DOT SHIPPING NAME:** None**DOT CLASSIFICATION:** None**DOT LABELS:** None**UN NUMBER:** None**15. REGULATORY INFORMATION****SARA 313**

None

SARA 311/312 Hazard Categories

Immediate-Health

US State Regulations

N/A

16. OTHER INFORMATION**Codes and Abbreviations:**

| | | |
|------------------|---------------------|----------------------|
| 0- Insignificant | NA- NOT APPLICABLE | p-PPM |
| 1- Slight | NE- NOT ESTABLISHED | M-mg/M3 |
| 2- Moderate | ND- NOT DETERMINED | c-Celling |
| 3- High | UNK- UNKNOWN | STEL- SHORT TERM |
| 4- Extreme | PEL- PERMISSIBLE | EXPOSURE LIMIT |
| | EXPOSURE LIMIT | TLV- Threshold Limit |
| | | Value |

Issue Date 5/21/2015**Revision Date****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