

# SAFETY DATA SHEET

## SECTION 1 PRODUCT and COMPANY INFORMATION



TRADE NAME: **Castle® 2-22 Red™**

PRODUCT TYPE: Industrial Degreaser

PRODUCT CODE: C58

MANUFACTURED FOR: Castle Products, Inc.  
424 St. Paul Street  
Rochester, NY 14605  
(800) 876-0222  
EMERGENCY (585) 275-3232

## SECTION 2 HAZARDS IDENTIFICATION

GHS CLASSIFICATION: DANGER:   Harmful if swallowed. Causes severe burns and eye damage.  
Keep out of reach of children.

PRECAUTIONARY STATEMENTS: Eyes: Can cause severe burns.  
Skin: Can cause severe burns and irritation.  
Inhalation: May be irritating to mucous membranes. Do not breath mist/vapor/spray.  
Ingestion: May be harmful if swallowed. Do not ingest.

## SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	%
Surfactant Blend	Proprietary	5-10%
Sodium Silicate	6834-92-0	1-5%
Sodium Xylene Sulfonate	1300-72-7	1-5%

## SECTION 4 FIRST AID MEASURES

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician if irritation persists.

If on skin: Take off contaminated clothing and wash it before reuse. Wash with plenty of water. Call a physician if irritation persists.

If swallowed: Rinse mouth. Call a physician if you feel unwell.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a physician if you feel unwell.

## SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Appropriate for surrounding fire.

SPECIFIC/UNUSUAL HAZARDS: Irritating gasses may be produced which will require SCBA or a fresh air source.

SPECIAL FIRE FIGHTING EQUIPMENT and PRECAUTIONS for FIREFIGHTERS: As in any fire, wear pressure-demand self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate spaces before entering.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Eliminate ignition sources including sources of electrical, static or frictional sparks. Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal.

Large Spill: A large spill is not likely to occur.

## SECTION 7 HANDLING AND STORAGE

Handling: Avoid breathing mist. Avoid contact with skin and eyes. Wear suitable protective clothing. Wash thoroughly after handling.

Storage: Keep from freezing. Keep containers tightly closed.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: NE

Appropriate Engineering Controls: Maintain adequate local exhaust ventilation.

Individual Protective Measures - Personal Protective Equipment:

Gloves: Not normally required, but recommended

Eye/Face Protection: Wear safety glasses or goggles.

Skin Protection: Wear clothing suited to the task being performed.

Respiratory Protection: Not normally required if good ventilation is maintained.

## SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE: Clear, Red Liquid

ODOR: Lemon Scent

ODOR THRESHOLD: ND

MELTING/FREEZING POINT: <32°F (<0°C)

BOILING POINT: 240°F (116°C)

BOILING RANGE: ND

EVAPORATION RATE (Butyl Acetate=1): 0.06

FLASH POINT: >201°F (>94°C)

UPPER EXPLOSIVE LIMIT: ND

LOWER EXPLOSIVE LIMIT: ND

FLAMMABILITY (solid, gas): ND

AUTOIGNITION TEMPERATURE: ND

VAPOR PRESSURE: 0.6

VAPOR DENSITY (air=1): 4.1

RELATIVE DENSITY: (H<sub>2</sub>O=1): 1.0

PARTITION COEFFICIENT (n-octanol/water): ND

DECOMPOSITION TEMPERATURE: ND

PERCENT VOLATILE BY VOL %: >80%

pH: 12

SOLUBILITY IN WATER: Completely Soluble

VISCOSITY: ND

## SECTION 10 STABILITY and REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal conditions.

POSSIBILITY of HAZARDOUS REACTIONS:

CONDITIONS TO AVOID:

INCOMPATIBLE MATERIALS: Strong acids or oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Oxides of Sulfur and/or Nitrogen, Hydrocarbon fumes and smoke.

HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: No data available. Product may cause eye or skin corrosion and irritation.

LIKELY ROUTES of EXPOSURE: INHALATION: No  
INGESTION: No  
SKIN CONTACT: Yes  
EYECONTACT: Yes

SYMPTOMS:

EFFECTS OF EXPOSURE: IMMEDIATE: Irritation/Eye and/or Skin Corrosion  
DELAYED: ND  
SHORT-TERM: Irritation  
LONG-TERM: ND

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

## SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY: No Data Available.

PERSISTENCE and DEGRADABILITY: ND

BIOACCUMULATIVE POTENTIAL: ND

MOBILITY in SOIL: ND

OTHER ADVESE EFFECTS: None Known.

### SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Considerations: Dispose according to all applicable Federal, State, and Local regulations.

### SECTION 14 TRANSPORT INFORMATION

UN Number: ND  
UN Proper Shipping Name: ND  
Transport Hazard Class(es): ND  
Packing Group: ND  
Marine Pollutant: No  
Special Precautions: None Required

This product is considered Non-Hazardous in all modes of transportation. Therefore, this product does not require classification by DOT, IATA, ICAO or IMDG.

### SECTION 15 REGULATORY INFORMATION

US federal regulations: All components are listed in the United States TSCA Regulations.

CERCLA (Superfund) reportable quantity: None

SARA (Superfund Amendments and Reauthorization Act of 1986):

313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical: No

Canada: This Product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

### SECTION 16 OTHER INFORMATION

Further information: (HMIS® is a registered trade and service mark of the NPCA.)

HMIS® ratings    Health: 2  
                          Flammability: 0  
                          Physical hazard: 0  
NFPA ratings     Health: 2  
                          Flammability: 0  
                          Instability: 0

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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