

SAFETY DATA SHEET

Shop Master #120 RP

Date Prepared: June 26, 2014

Last Revision Date: June 26, 2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification: Wayne Concept
 5005 Speedway Drive
 Fort Wayne, IN 46825
 Phone: (260)482-8615

24 Hour Emergency Telephone Number: INFOTRAC: (800)535-5053

Product Use: Alkaline detergent

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Color: Clear
Physical State: Liquid
Appearance: Clear
Odor: Odorless

Signal Word: **DANGER**

GHS Classifications: Acute Toxicity (oral); Category 4
 Acute Toxicity (dermal); Category 4
 Skin Corrosion/Irritation; Category 2
 Serious Eye Damage/Irritation; Category 2A



MAJOR HEALTH HAZARDS: Severe eye irritant. Skin irritant. Harmful if swallowed.

PRECAUTIONARY STATEMENTS: Keep only in original container. Wear protective gloves, protective clothing, eye, and face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

POTENTIAL HEALTH EFFECTS:

Skin contact: Skin irritant. May cause redness, swelling or possible corneal injury.

Eye contact: Severe eye irritant. May cause redness and swelling. Prolonged contact may cause dermatitis.

Ingestion: Irritating to the mouth, throat and gastrointestinal system. Large doses may cause vomiting and diarrhea.

See Section 11: TOXICOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	%	CAS Number
Potassium Metasilicate	1 – 5	10006-28-7
Tetrasodium EDTA	1 – 5	64-02-8
Sodium nitrite	1 – 5	7632-00-0
Alcohols, C12-14, ethoxylated propoxylated	1 – 5	68439-51-0
Proprietary surfactant	0 – 5	Proprietary

4. FIRST AID MEASURES

INHALATION: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration or pulse has stopped, have a trained person administer Basic Life Support (Cardio-Pulmonary Resuscitation and/or Automatic External Defibrillator) and CALL FOR EMERGENCY SERVICES IMMEDIATELY.

SKIN CONTACT: Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated areas with soap and water. Thoroughly clean and dry contaminated clothing and shoes before reuse. GET MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. GET MEDICAL ATTENTION IMMEDIATELY.

Notes to Physician: The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage.

5. FIRE-FIGHTING MEASURES

Fire Hazard: Material itself is not combustible.

Extinguishing Media: Use media appropriate for surrounding fire.

Fire Fighting: Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Sensitivity to Mechanical Impact: Not sensitive.

Sensitivity to Static Discharge: Not sensitive.

Flash point: None to boiling.

6. ACCIDENTAL RELEASE MEASURES

Occupational Release: Contain spill. Mop up or otherwise hold for disposal. Keep out of water supplies and sewers. This material is alkaline and may raise the pH of surface waters with low buffering capacity. Releases should be reported, if required, to appropriate agencies. Wear appropriate personal protective equipment recommended.

7. HANDLING AND STORAGE

Storage Conditions: Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled.

Handling Procedures: Avoid creation of mist. Avoid breathing mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components Exposure Limit(s): As listed below
No components have occupational exposure limits.

ENGINEERING CONTROLS: Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVEEQUIPMENT:

Eye Protection: Wear safety glasses with side-shields. If eye contact is likely, wear chemical resistant safety goggles. When wet mixing, wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin and Body Protection: Wear protective clothing to minimize skin contact. When potential for contact with wet material exists, wear Tychem® or similar chemical protective suit. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure, such as Tyvek®.

Hand Protection: Wear appropriate chemical resistant gloves.

Protective Material Types: Butyl rubber, Natural rubber, Neoprene, Nitrile, Tychem®, Tyvek®

Respiratory Protection: A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Clear
Color:	Clear
Odor:	Odorless
Vapor Density (air=1):	>1
Boiling Point/Range:	212°F
Melting Point/Range:	Not determined
Vapor Pressure:	20 mmHg
Specific Gravity(water=1):	1.093 ±0.005
Density:	9.092 lbs./gal.
Water Solubility:	Complete
pH:	12.8 ±0.5
VOC:	Not determined
Flash point:	None to boiling

10. STABILITY AND REACTIVITY

Reactivity/ Stability: Stable at normal temperatures and pressures.

Incompatibilities/ Materials to Avoid: Strong acids, ammonium salts, amines, activated carbon, cyanides and reducing agents.

Hazardous Decomposition Products: Alkaline vapors in a fire.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

Component	LD50 Oral:	LC50 Inhalation:	LD50 Dermal:
Potassium Metasilicate	>1500 mg/kg (Rat)	-----	-----
Tetrasodium EDTA	3,030 mg/kg (rat)	-----	>5000 mg/kg (rabbit)
Alcohols C12-14, ethoxylated	3234 mg/kg (Rat)	-----	>2000 mg/kg

CARCINOGENICITY: Sodium nitrite has been classified by IARC as: 2A; possibly carcinogenic to humans.

MUTAGENIC DATA: None of the components are genotoxic.

12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA:

COMPONENT TOXICITY:

Tetrasodium EDTA: LC50 (fathead minnow): >100 mg/l 96 hr
LC50 (bluegill sunfish): 157 – 2,070 mg/l 96 hr
Alcohols, C12-14, ethoxylated:
LC50 (Fathead minnow): 4 mg/l 96 hr
LC50 (Water flea): 3.5 mg/l 48 hr
IC50 (Bacteria): >1000 mg/l

FATE AND TRANSPORT:

BIODEGRADATION: This material is inorganic and not subject to biodegradation.

BIOCONCENTRATION: This material is not expected to bioconcentrate in organisms.

ADDITIONAL ECOLOGICAL INFORMATION: This material has exhibited slight toxicity to terrestrial organisms.

13. DISPOSAL CONSIDERATIONS

Reuse or recycle if possible. Dispose in accordance with all applicable regulations. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous Waste Number(s): D002 (Corrosive).

14. TRANSPORT INFORMATION

DOT/IMDG/IATA Hazard Classification: Non-Hazardous, not regulated

Hazardous: N

Shipping Name: LIQUID CLEANING COMPOUNDS

Freight Class: 55

15. REGULATORY INFORMATION

U.S. REGULATIONS

- **OSHA REGULATORY STATUS:**
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
- **CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):** Not regulated.
- **SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):**
Not regulated
- **SARA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):**
Acute Health Hazard
- **SARA SECTION 313 (40 CFR 372.65):**
Sodium nitrite (CAS# 7632-00-0)
- **OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):** Not regulated

NATIONAL INVENTORY STATUS

- **U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA):** All components are listed or exempt
- **TSCA 12(b):** This product is not subject to export notification
- **Canadian Chemical Inventory:** All components of this product are listed on either the DSL or the NDSL

STATE REGULATIONS

California Proposition 65: This product is not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

Components	
California Proposition 65 Cancer WARNING:	Not Listed
California Proposition 65 CRT List - Male reproductive toxin:	Not Listed
California Proposition 65 CRT List - Female reproductive toxin:	Not Listed
Massachusetts Right to Know Hazardous Substance List	Sodium nitrite
New Jersey Right to Know Hazardous Substance List	Sodium nitrite
New Jersey Special Health Hazards Substance List	Not Listed
New Jersey - Environmental Hazardous Substance List	Not Listed
Pennsylvania Right to Know Hazardous Substance List	Sodium nitrite
Pennsylvania Right to Know Special Hazardous Substances	Not Listed

	Pennsylvania Right to Know Environmental Hazard List	Not Listed
	Rhode Island Right to Know Hazardous Substance List	Not Listed

CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations

WHMIS Classifications of Substances:

- E - Corrosive material

16. OTHER INFORMATION

HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

Health: 2 **Flammability:** 0 **Reactivity:** 0
Personal Protection: B

NFPA 704 - Hazard Identification Ratings (SCALE 0-4)

Health: 2 **Flammability:** 0 **Reactivity:** 0

IMPORTANT:

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OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees.

End of Safety Data Sheet