



P.O. Box 195, Brownsburg, IN 46112
 Ph: 317-852-8966
Emergency Telephone No: 800-535-5053

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Product Name or Chemical Name.....**4112**
 Synonyms.....Iron Dispersant / System Cleaner
 Chemical Family.....N/A
 NFPA – Health Hazard.....2
 Fire Hazard.....0
 Reactivity Hazard.....0
 NFPA Scale.....4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant

II. HAZARDOUS INGREDIENTS

<u>Chemical Name(s)</u>	<u>CAS Number</u>	<u>% Wt</u>	<u>TLV-TWA</u>	<u>PEL</u>	<u>SEC.313</u>	<u>Carcinogen?</u>
Ethylene Glycol Monobutyl Ether	111-76-2	<25	20 ppm	20 ppm	Yes	No

III. SHIPPING DATA

DOT Proper Shipping Name:.....N/A
 DOT Hazard Class.....N/A
 DOT Labels Required.....N/A
 UN/NA ID Number.....N/A
 Packaging Group.....N/A
 Non-Bulk Shipping Name.....Compound, Boiler Cleansing, Liquid
 Bulk Shipping Name.....Same

IV. PHYSICAL DATA

Boiling/Freezing Point @760 mmHg.....>200°F (>93°C)/ND
 pH.....3.3 - 4.3
 Vapor Pressure mmHg @20°C.....ND
 Vapor Density (Air=1).....>1
 Percent Volatile by Weight (%).....82
 Specific Gravity @20°C.....1.024
 Solubility in Water.....Emulsifiable
 Evaporation Rate.....(Water=1) <1
 Appearance and Odor.....Clear viscous liquid with mild odor.

V. FIRE & EXPLOSION HAZARD DATA

Flash Point (Test Method).....>200°F
 Autoignition Temperature.....N/A
 Flammability Limits in Air (% V).....N/A
 Extinguishing Media.....Not Combustible
 Special Fire Fighting Procedures.....N/A
 Unusual Fire & Explosion Hazards.....Cool fire exposed containers with water to prevent steam rupture.

VI. REACTIVITY DATA

Product Stability.....Stable
 Conditions to Avoid.....Contamination. Temperatures above 150°F.
 Chemical Incompatibility.....Strong oxidizers
 Hazardous Decomposition Products.....Carbon dioxide, unidentified organic compounds may be formed during combustion.
 Hazardous Polymerization.....Will not occur



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VII. HEALTH HAZARD DATA

Skin ContactMay cause irritation upon prolonged contact.

Eye ContactMay cause irritation upon contact.

InhalationInhalation of mists may cause irritation.

IngestionMay cause gastrointestinal upset.

VIII. EMERGENCY AND FIRST AID PROCEDURES

Skin.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.

Eyes.....Immediately flush eyes with large amounts of water for 15 minutes. Get medical attention.

IngestionIf swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.

InhalationMove to fresh air. Aid in breathing, if necessary, and get medical attention.

IX. ENVIRONMENTAL DATA

Spill or Leak Procedures Avoid skin contact. Absorb spills onto sand or inert material and place into suitable containers for disposal. Do not flush into waterways.

Waste Disposal..... Dispose of in accordance with all federal, state and local regulations.

Hazardous Water 40CFR261..NA

Container Disposal Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

X. SPECIAL PROTECTION INFORMATION

Respiratory Protection NIOSH/MSHA approved filter type mask for dusts, fumes and mists as needed to maintain P.E.L.

Ventilation Local or mechanical exhaust to maintain exposure below P.E.L.

Protective Clothing Neoprene gloves, apron, boots – as necessary to prevent skin contact.

Eye Protection Chemical goggles.

Other Precautions..... Safety shower and eyewash fountains should be easily accessible.

XI. SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.

N/A = Not Available

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