



MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR1910.1200. Standard must be consulted for specific requirements.

NPCA Hazardous Materials
Identification System:

Specific Hazard:

4 - Severe
3 - Serious
2 - Moderate
1 - Slight
0 - Minimal

Personal Protection:

X - Ask a Supervisor
A - Safety Glasses
B - Goggles, Gloves
C - Goggles, Gloves, Apron
D - Goggles, Gloves, Apron, & Faceshield

Health (1)

Flammability (0)

Reactivity (0)

Personal Protection (B)

SECTION I. IDENTIFICATION

Manufactured For:

Northland Manufacturing, Inc.
Post Office Box 6247
3485 South Monroe Street
Tallahassee, Florida 32301
Emergencies: 850.878.5149
850.508.6804

Product Identification:

#860 Super Steam P153

AAJ:

REVISION DATE: 9/30/05

SECTION II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components Specific Components Specific Chemical Identity Common Name(s)	OSHA PEL	ACGIH	TLV Limits Recommended	Other	%Optional
*2-Butoxyethanol	25PPM	25PPM		5.36	

*This mixture contains 5.36% of 2-Butoxyethanol which is 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

SECTION III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: Over 212°F

Vapor Pressure: n/a

Vapor Density (AIR=1): n/a

Solubility in Water: COMPLETE (Butyl Acetate=1)

Specific Gravity (H2O): 1.1236

Melting Point: n/a

Evaporation Point: LESS THAN 1

Appearance and Odor: Amber colored, water thin liquid with a citrus fragrance.

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: (Method Used): FLAMMABLE LIMITS LEL UEL
Over 250 degrees Closed Cup N/A N/A N/A
Extinguishing Media: Carbon Dioxide, Water Fog, or Dry Chemical
Special Fire Fighting Procedures: Use self contained breathing apparatus and protective clothing.
UNUSUAL FIRE AND EXPLOSIONS HAZARDS: None

SECTION V. HEALTH HAZARD DATA

Routes of Entry: INHALATION: No SKIN: No INGESTION: Unlikely
Health Hazards (Acute and Chronic): Direct contact can cause eye and skin irritation. If swallowed, can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
CARCINOGENICITY: NTP IARC Monographs? OSHA Regulated?
No No No
SIGNS AND SYMPTOMS OF EXPOSURE: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing blood, liver, and/or kidney disorders may be aggravated by overexposure to this product.
EMERGENCY AND FIRST AID PROCEDURES:
SKIN contact: Wash thoroughly with water. If irritation continues, call a physician.
EYE contact: Flush with copious amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation continues, call a physician.
INGESTION: If swallowed, promptly call a physician.

SECTION VI. REACTIVITY DATA

Stability Data: STABLE
Incompatibility: Strong Acids and Oxidizers
Hazardous Decomposition Requirements: Burning can produce carbon monoxide and/or carbon dioxide.
Hazardous Polymerization: MAY NOT OCCUR
Conditions to Avoid: None

SECTION VII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Take up liquid with absorbent material and remove mechanically.
WASTE DISPOSAL METHOD:
Dispose of waste in accordance with Federal, State, and Local ordinances.
PRECAUTION TO BE TAKEN IN HANDLING AND STORING:
Keep containers tightly closed, cool, dry and away from sources of ignition. Use and store with adequate ventilation.
OTHER PRECAUTIONS: All precautions in this MSDS must be observed.

SECTION VIII. CONTROL METHODS

Respiratory Protection: NONE FOR NORMAL USE
Ventilation:
LOCAL EXHAUST: Adequate SPECIAL: None
MECHANICAL: Adequate OTHER: None
Protective Gloves: Impervious rubber gloves
Eye Protection: Chemical splash goggles
Other Protective Equipment: None
Work/Hygenic Practices: Wash thoroughly after handling.

We believe all information given is accurate. It is offered in good faith, but without guarantee. Since conditions are beyond our control, user assumes all responsibility and risk.