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MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/29/2001 REVISION NUMBER: 4
DATE PRINTED: 03/05/2007 PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **DYNAMIC 110, Heavy Duty Solvent-Free Cleaner**
PRODUCT CODE: 120142

NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 2/2 Fire: 0/0
Reactivity: 0/0 Special/Protective Equipment: ALK/B

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Severe burns to mucous membranes of mouth, throat and digestive tract.
SKIN CONTACT: Prolonged contact causes severe burns which may not be immediately painful or visible.
INHALATION: Inhalation of vapors or mists may cause nose and respiratory irritation, sore throat, and coughing.
EYE CONTACT: May Cause Eye Burns.
CHRONIC EFFECTS: Dermatitis. Possible respiratory damage from inhalation of dust or mist.
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.
ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Sodium metasilicate 6834-92-0	1 - 5	NA	NA
Sodium tripolyphosphate 7758-29-4	1 max.	NA	NA

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Get immediate medical attention. Never give anything by mouth to an unconscious person.
SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation or burns develop.
INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
EYES: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): None (TCC) (C): NA
METHOD: TCC

FLAMMABLE LIMITS IN AIR

- LOWER (%): None
- UPPER (%): None

DYNAMIC 110, Heavy Duty Solvent-Free Cleaner

SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA:	As appropriate for surrounding fire-product is mostly water and will not burn.
FIRE FIGHTING PROCEDURES:	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:	Mop up all possible. Flush residue with water.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

PERSONAL PRECAUTIONS:	NA
ENVIRONMENTAL PRECAUTIONS:	NA
METHODS FOR CLEANING UP:	NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Caution: Alkaline liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed. Store in a cool, dry area. Store in a well ventilated area. Keep from freezing.
OTHER PRECAUTIONS:	Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Read and follow label instructions.
SPECIFIC USE(S):	NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:	Use in a well ventilated area.
RESPIRATORY PROTECTION:	Not normally required. If product is used in a manner which creates dust or mist above recommended exposure limits, a NIOSH/MSHA approved respirator with dust/mist filter may be needed in the absence of proper environmental controls.
PROTECTIVE GLOVES:	Rubber or plastic gloves recommended to minimize skin contact.
EYE PROTECTION:	Safety Glasses. Goggles.
OTHER PERSONAL PROTECTION EQUIPMENT:	Rubber boots. Chemical resistant materials are required to prevent prolonged or repeated skin contact. Eyewash fountains and safety showers must be easily accessible.
VENTILATION:	General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Blue liquid. Mild odor.	
BOILING POINT (F):	As water	(C) NA
VAPOR PRESSURE:	As water	
VAPOR DENSITY (AIR=1):	As water	
SOLUBILITY IN WATER:	NA	
SPECIFIC GRAVITY:	1.025 - 1.055	
VOC Content (%):	NE	
VOV Content (%):	NE	
EVAPORATION RATE:	As water	
PH:	12.25 - 13.25	

10. STABILITY AND REACTIVITY

DYNAMIC 110, Heavy Duty Solvent-Free Cleaner

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: If evaporated to dryness, as in a fire, may release: Soot. Smoke. Carbon Monoxide.
INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with acidic materials. Neutralizes active ingredients and may release acid fumes.
CONDITIONS/HAZARDS TO AVOID: None.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE
EFFECTS OF CHRONIC EXPOSURE: NE
OTHER TOXIC EFFECTS: NE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: NA
PERSISTENCE/DEGRADABILITY: NA
BIOACCUMULATIVE POTENTIAL: NA
OTHER ADVERSE EFFECTS: NA

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Sodium metasilicate 6834-92-0	1 - 5	Listed	Listed	Listed	Not Listed
Sodium tripolyphosphate 7758-29-4	1 max.	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sodium metasilicate 6834-92-0	1 - 5	Not Listed	Not Listed	Not Listed
Sodium tripolyphosphate 7758-29-4	1 max.	2270 kg 5000 lb	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Sodium metasilicate 6834-92-0	1 - 5	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
Sodium tripolyphosphate 7758-29-4	1 max.	Listed

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The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
Sodium tripolyphosphate 7758-29-4	1 max.	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
Sodium tripolyphosphate 7758-29-4	1 max.	Listed

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***