RoVal®
8931-C MAISLIN DRIVE, TAMPA, FL 33637

FOR 24 HOUR EMERGENCY IN US, CANADA, PR, USVI:
CALL CHEM*TEL 1-800-255-3924
ALL OTHERS CALL COLLECT: (813) 248-0585
FOR INFORMATION: (813) 988-4910
C.A.S. NO.: Mixture Proprietary
REVISION DATE: December 30, 2003

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

TRADE NAME: Step 4 Daily Tub Cleaner
DOT SHIPPING NAME: N/A
LABEL REQUIRED: None
DOT/UN ID NO.: N/A
DOT CLASS: N/A
PACKING GROUP: N/A

2. INFORMATION ON HAZARDOUS INGREDIENTS

MATERIAL	C.A.S. NO.	PEL	TLV/TWA	TLV/STEL
Nonylphenol Ethoxylate	9016-45-9	N/A	N/A	N/A
Isopropanol	67-63-0	N/A	400 ppm	500 ppm
Diethanolamine	111-42-2	3 ppm	3 ppm	N/A
EDTA Na4	64-02-8	N/A	N/A	N/A

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

EYES: Eye Contact with product may cause irritation, tears, redness, stinging, pain and/or burns. Corneal injury may occur.
SKIN: Skin contact may cause irritation. Prolonged or repeated skin contact may cause irritation, itching, redness, swelling and/or dermatitis. Prolonged or repeated skin contact may cause defatting and drying of the skin.
INHALATION: Inhalation (breathing) of vapors may cause irritation, coughing, headache, nausea, drowsiness and/or chest pain.
INGESTION: Ingestion may cause irritation, abdominal discomfort, nausea, vomiting and/or diarrhea. Drowsiness or loss of consciousness may occur.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart to ensure flushing of the entire surface. Call a physician.
SKIN: Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.
INGESTION: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.

5. FIRE FIGHTING MEASURES

FLASH POINT: Non-combustible
FLAMMABLE LIMITS: Lower: N/A Upper: N/A
EXTINGUISHING MEDIA: This product is non-combustible. When involved in a fire, it does not contribute any unusual hazards. Use extinguishing media appropriate for surrounding areas.

SPECIAL FIRE FIGHTING PROCEDURE: Extinguish all nearby sources of ignition. Keep all drums cool by water spray to prevent rupture due to steam buildup. Floor may become slippery if material is released.
UNUSUAL FIRE EXPLOSION HAZARD: None known.
AUTO IGNITION TEMPERATURE: N/A.
HAZARDOUS DECOMPOSITION PRODUCTS**:** Carbon monoxide, carbon dioxide, and miscellaneous organic compounds, some possibly toxic.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Wipe up small spills and drips. Dispose into approved container for disposal.
LARGE SPILLS: Stop leak at source, if possible. Dike and absorb with inert material such as vermiculite. Transfer to approved containers for proper disposal. Dispose of all waste according to all federal, state and local regulations.

7. HANDLING AND STORAGE

Keep containers closed when not in use. Protect containers from abuse and damage. Protect from extreme temperatures. Keep this and all chemicals out of reach of children.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required when good ventilation is provided.
VENTILATION REQUIREMENTS: Designed and maintained to prevent buildup of vapors. Use local or mechanical exhaust.
EYE PROTECTION: Safety shields or goggles.
SKIN PROTECTION: Coveralls, aprons, rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 212^{o} F.
VAPOR PRESSURE (MM Hg): N.D.
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H_2O = 1): 1.02
DENSITY (LB/GAL): 8.5
PERCENT VOLATILE BY VOLUME (%): 95.6
MELTING POINT: N/A
EVAPORATION RATE (Butyl Acetate = 1): 1
SOLUBILITY IN WATER: Infinite.
pH: 8 to 8.5

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, and miscellaneous organic compounds, some possibly toxic.
KEEP AWAY FROM: Excessive heat and freezing temperatures.

11. TOXICOLOGICAL INFORMATION

COMPONENTS:

Nonylphenol Ethoxylate: Overexposure may aggravate disorders of the skin. Based on laboratory test data, may cause lung inflammation from occluded skin contact based on similar product testing.

Isopropanol: The following is a summary of TSCA Section 4 Test Rule results: Large doses (> 800 mg/kg/day) of isopropanol given orally to pregnant rats during the critical period of gestation produced slight decreases in fetal weight. These doses also caused evidence of toxicity in the mothers. Oral doses as high as 480 mg/kg/day caused evidence of toxicity in pregnant rabbits but did not produce evidence of embryo or fetal toxicity. Isopropanol did not produce an increase incidence of malformations in either species. An indication of reduced mating performance in 2nd generation male rats was noted at oral doses of 1000 mg/kg/day in a two-generation reproductive study. Increased neonatal mortality was also seen at doses of 500 mg/kg/day and greater in this study. No evidence of neurotoxic effects was observed in studies specifically designed to assess neurobehavioral functions in neonatal rate after oral dosing of mothers during gestation and lactation. In an acute vapor inhalation study, high concentrations of isopropanol (1500 ppm and greater) caused a spectrum of transient effects indicative of narcosis. In repeated inhalation exposure studies, high vapor concentrations (5000 ppm) produced an increase in motor activity of rats first noticed after 4 weeks of exposure. The effect was reversible completely resolving within 14 days after 13 weeks of exposure. No evidence of damage to nerve tissue was seen in this study. Repeated exposure to isopropanol vapor produced hyaline droplet nephropathy in male rats, an effect considered not to have relevance to human health hazard assessment. No other target organ effects were seen in either rats or mice after 3 months of exposure to vapor concentrations up to 5000 ppm. No evidence suggestive of carcinogenic activity was noted in chronic vapor inhalation studies with isopropanol in rats or mice.

Diethanolamine: No data available.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: No data available.
ENVIRONMENTAL EFFECTS: No data available.

13. DISPOSAL CONSIDERATIONS

Recovered liquids may be reprocessed or incinerated. Incineration must be handled in a permitted hazardous waste management facility. Dispose of material in accordance with all federal, state and local regulations. Local regulations may be more stringent than federal or state. Product may cause foaming problems.

14. TRANSPORTATION INFORMATION

DOT SHIPPING NAME: N/A
DOT HAZARD CLASS: Non Hazardous
UN/NA NUMBER: N/A
PACKING GROUP: N/A
PRODUCT RQ (lbs): None
DOT LABEL: None
DOT PLACARD: None
PRODUCT LABEL: None

15. REGULATORY INFORMATION

The following ingredients are listed on the Toxic Substance Control Act (TSCA) Inventory:

Nonylphenol Ethoxylate
Isopropanol

STATE RIGHT-TO-KNOW

Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

HAZARDOUS SUBSTANCES (= . 1%)

CHEMICAL	CAS NUMBER	UPPER BOUND CONCENTRATION %
Isopropanol	67-63-0	2

Pennsylvania Right-To-Know Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

HAZARDOUS SUBSTANCES (= > 1%)

CHEMICAL	CAS NUMBER	UPPER BOUND CONCENTRATION %
Isopropanol	67-63-0	2

---

16. OTHER INFORMATION

HEALTH	FLAMMABILITY	REACTIVITY	SPECIAL HAZARD
1	0	0	X

(Degree of hazard: 0 = No Hazard, 4 = Severe Hazard)

USERS RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

< = Less Than
> = More Than
N/A = Not Applicable or Not Available
ND = Not Determined