

GRAINGER®

**RAMSEY
HIGH PERFORMANCE CARPET SHAMPOO Revised: 1/18/2001**

MSDS Contents

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			(SKIN)	(SKIN)
SODIUM DECYL SULFATE	142-87-0	1 - 5	NA	NA
LAURIC ACID MONOISOPROPANOLAMIDE	142-54-1	1 - 5	NA	NA
SODIUM LAURYL SARCOSINATE	137-16-6	1 - 5	NA	NA
FRAGRANCE	NA	< 0.1	NA	NA

NA - NOT AVAILABLE

OSHA REGULATORY STATUS:
THIS PRODUCT IS CLASSIFIED AS HAZARDOUS UNDER OSHA REGULATIONS.

WHMIS CLASS: CLASS D - DIVISION 2B

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
CLEAR, LIGHT STRAW COLORED LIQUID. SLIGHTLY SWEET ODOR. CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

POTENTIAL HEALTH EFFECTS (SEE SECTION 11 FOR TOXICOLOGICAL INFORMATION):

PRIMARY ROUTE(S) OF EXPOSURE:

- (X) EYE
- (X) SKIN CONTACT
- (X) SKIN ABSORPTION
- (X) INHALATION
- (X) INGESTION

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

EYES:
CAUSES EYE IRRITATION. SYMPTOMS MAY INCLUDE REDNESS AND PAIN.

SKIN:
MAY CAUSE SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS, RASH AND MILD SWELLING.

INGESTION:
MAY CAUSE MOUTH, THROAT AND STOMACH IRRITATION. SYMPTOMS MAY INCLUDE NAUSEA, VOMITING AND DIARRHEA. MAY ALSO CAUSE CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING HEADACHE, DIZZINESS AND WEAKNESS.

INHALATION:
HIGH CONCENTRATIONS OF VAPOR OR MIST MAY CAUSE NOSE, THROAT AND RESPIRATORY TRACT IRRITATION. SYMPTOMS MAY INCLUDE COUGHING AND A BURNING SENSATION IN THE NOSE AND THROAT.

EFFECTS OF CHRONIC EXPOSURE:
PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN IRRITATION.

MEDICAL CONDITIONS AGGRAVATED:
MAY AGGRAVATE PRE-EXISTING EYE, SKIN AND RESPIRATORY CONDITIONS.

4. FIRST AID MEASURES

EYES:
FLUSH EYES WITH PLENTY OF WATER WHILE HOLDING EYELIDS APART. AFTER INITIAL FLUSHING, REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. DO NOT PUT ANY MEDICATION IN THE VICTIM'S EYES UNLESS INSTRUCTED BY A PHYSICIAN. GET MEDICAL ATTENTION.

SKIN:
FLUSH THOROUGHLY WITH PLENTY OF WATER, THEN WASH WITH SOAP AND WATER. REMOVE SATURATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. THOROUGHLY WASH (OR DISCARD) CLOTHING AND SHOES BEFORE REUSE.

INGESTION:

DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER. GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE RESPIRATION; IF BREATHING IS DIFFICULT, GIVE OXYGEN (BY TRAINED PERSONNEL ONLY). GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: > 200 DEG. F 93 DEG. C TCC

FLAMMABLE LIMITS: NOT APPLICABLE.

AUTOIGNITION TEMPERATURE: NOT APPLICABLE.

EXTINGUISHING MEDIA:

USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

HAZARDOUS COMBUSTION PRODUCTS:

NORMAL PRODUCTS OF COMBUSTION (CARBON MONOXIDE AND CARBON DIOXIDE), NITROGEN OXIDES AND SULFUR OXIDES.

FIRE AND EXPLOSION HAZARDS: NONE KNOWN.

FIRE FIGHTING INSTRUCTIONS:

THIS PRODUCT IS NOT FLAMMABLE. AS IN ANY FIRE, MSHA/NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL PROTECTIVE GEAR SHOULD BE WORN.

6. ACCIDENTAL RELEASE MEASURES

SEE SECTION 8, EXPOSURE CONTROLS/PERSONAL PROTECTION AND SECTION 3, HAZARD IDENTIFICATION. FLOORS MAY BE SLIPPERY. USE CARE TO AVOID FALLING. CONTAIN AND ISOLATE SPILL. KEEP NON-ESSENTIAL PERSONNEL FROM ENTERING SPILL AREA. USE MOP, ABSORBENT, OR WET VACUUM TO COLLECT MATERIAL FOR PROPER DISPOSAL. RINSE AREA WITH WATER.

7. HANDLING AND STORAGE

HANDLING:

FOLLOW LABEL USE DIRECTIONS. DO NOT MIX WITH OTHER CHEMICALS UNLESS INSTRUCTED BY LABEL DIRECTIONS. AVOID CONTACT WITH EYES AND SKIN. AVOID BREATHING MIST. WASH THOROUGHLY AFTER HANDLING. REMOVE SATURATED CLOTHING. WASH CLOTHING AND EQUIPMENT BEFORE REUSE.

STORAGE:

KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE AWAY FROM INCOMPATIBLE MATERIALS. (SEE SECTION 10, STABILITY AND REACTIVITY).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

GOOD GENERAL ROOM VENTILATION IS EXPECTED TO BE ADEQUATE. IF USER OPERATIONS GENERATE VAPOR OR MIST, VENTILATION SHOULD BE USED TO KEEP AIRBORNE CONCENTRATIONS BELOW EXPOSURE LIMITS (SEE SECTION 2, COMPOSITION/INFORMATION

ON INGREDIENTS).

PERSONAL PROTECTION:

EYE:
WHERE EYE CONTACT IS POSSIBLE, WEAR SAFETY GLASSES WITH SIDE SHIELDS OR
CHEMICAL SPLASH GOGGLES (ANSI Z87.1 APPROVED).

SKIN:
WHERE SKIN CONTACT IS POSSIBLE, CHEMICAL-RESISTANT CLOTHING (E.G., GLOVES)
SHOULD BE WORN.

RESPIRATORY:
NO RESPIRATORY PROTECTION IS REQUIRED IF VENTILATION IS ADEQUATE.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

ODOR: SLIGHTLY SWEET

APPEARANCE: CLEAR, LIGHT STRAW COLORED

PH: 9.4 TO 10.6

PERCENT VOLATILE BY WEIGHT: 85

VAPOR PRESSURE: NOT AVAILABLE

VAPOR DENSITY: NOT AVAILABLE

BOILING POINT: NOT AVAILABLE

FREEZING/MELTING POINT: NOT AVAILABLE

SOLUBILITY IN WATER: COMPLETE

EVAPORATION RATE: NOT AVAILABLE

SPECIFIC GRAVITY: 1.01

VISCOSITY: SLIGHTLY VISCOUS

OCTANOL/WATER PARTITION COEFFICIENT: NOT AVAILABLE

ODOR THRESHOLD: NOT AVAILABLE

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): STABLE

POLYMERIZATION: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION: NONE KNOWN.

INCOMPATIBLE MATERIALS:
OXIDIZERS (E.G., BLEACH) AND STRONG ACIDS (E.G., HYDROCHLORIC ACID).

11. TOXICOLOGICAL INFORMATION

ACUTE DATA:
NO DATA IS AVAILABLE FOR THIS PRODUCT. ACUTE OVEREXPOSURE TO HIGH
CONCENTRATIONS OF ETHANOL, 2-BUTOXY BY SKIN ABSORPTION, INGESTION AND
INHALATION HAS CAUSED BLOOD, LIVER AND KIDNEY EFFECTS IN LABORATORY ANIMALS.
THE FOLLOWING ADDITIONAL DATA ARE AVAILABLE FOR PRODUCT INGREDIENTS:

PRODUCT/INGREDIENT	ORAL LD50(RAT)	DERMAL LD50(RABBIT)	INHALATION LC50(RAT)
SODIUM LAURYL SULFATE	800-1288 MG/KG	NOT AVAILABLE	NOT AVAILABLE
ETHANOL, 2-BUTOXY	470 MG/KG	220 MG/KG	450 PPM(4-HR)
SODIUM DECYL SULFATE	1950 MG/KG	NOT AVAILABLE	NOT AVAILABLE
LAURIC ACID MONOISOPROPANOLAMIDE	1200 MG/KG	12000 MG/KG	NOT AVAILABLE
SODIUM LAURYL SARCOSINATE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
FRAGRANCE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

SENSITIZATION DATA: NO DATA AVAILABLE

CHRONIC DATA:
 PROLONGED OVEREXPOSURE TO HIGH CONCENTRATIONS OF ETHANOL, 2-BUTOXY BY SKIN ABSORPTION, INGESTION AND INHALATION HAS CAUSED BLOOD, LIVER AND KIDNEY EFFECTS IN LABORATORY ANIMALS.

REPRODUCTIVE/TERATOGENIC DATA: NO DATA AVAILABLE

CARCINOGENIC/MUTAGENIC DATA:
 NOT LISTED AS CARCINOGENIC BY NTP, IARC, OR ACGIH OR REGULATED AS A CARCINOGEN BY OSHA.

SYNERGISTIC MATERIALS: NO DATA AVAILABLE.

12. ECOLOGICAL INFORMATION

NO DATA AVAILABLE.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF THIS MATERIAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE OR PROVINCIAL AND FEDERAL REGULATIONS. THE UNUSED PRODUCT, AS MANUFACTURED, IS A RCRA NON-HAZARDOUS WASTE IN ACCORDANCE WITH 40 CFR 261. THE PRODUCT HAS NOT BEEN EVALUATED BY THE TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (TCLP). ACCORDING TO RCRA, IT IS THE RESPONSIBILITY OF THE WASTE GENERATOR TO ENSURE PROPER DISPOSAL.

14. TRANSPORT INFORMATION

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION:
 NOT REGULATED

15. REGULATORY INFORMATION

NOT MEANT TO BE ALL-INCLUSIVE -- SELECTED REGULATIONS REPRESENTED.

UNITED STATES:

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:
UNDER 40 CFR 370.2, THIS PRODUCT MEETS THE FOLLOWING HAZARD CATEGORIES:
IMMEDIATE, DELAYED.

313 REPORTABLE INGREDIENTS:
ETHANOL, 2-BUTOXY 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 UNDER THE CHEMICAL CATEGORY GLYCOL ETHERS.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY:
NONE OF THE INGREDIENTS IN THIS PRODUCT ARE REPORTABLE UNDER CERCLA.

TSCA (TOXIC SUBSTANCE CONTROL ACT):

TSCA STATUS: THIS PRODUCT COMPLIES WITH ALL TSCA INVENTORY REQUIREMENTS.

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):
CLASS D-DIVISION 2B, EYE AND SKIN IRRITANT; THIS PRODUCT HAS BEEN CLASSIFIED
IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCT
REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE
CPR.

16. OTHER INFORMATION

HMIS RATING:
HEALTH *2
FLAMMABILITY 0
REACTIVITY 0
PERSONAL PROTECTION -

NFPA RATING:
HEALTH 1
FIRE 0
REACTIVITY 0
SPECIAL -

MSDS STATUS:

REVISION #: 3

THIS MSDS REPLACES THE OCTOBER 16, 2000 MSDS. ANY CHANGES IN INFORMATION ARE
AS FOLLOWS:

IN SECTION 3
EMERGENCY OVERVIEW - IMMEDIATE CONCERNS SIGNS SYMPTOMS - INGESTION

IN SECTION 9
(PH) (FROM) PERCENT VOLATILE

IN SECTION 10
HAZARDOUS DECOMPOSITION PRODUCTS

APPROVED BY: EHAFFAIRS

APPROVAL DATE: 01/18/2001

THE INFORMATION ON THIS DATA SHEET REPRESENTS OUR CURRENT DATA AND BEST
OPINION AS TO THE PROPER USE IN HANDLING OF THE PRODUCT UNDER NORMAL
FORESEEABLE CONDITIONS. ANY USE OF THIS PRODUCT WHICH IS NOT IN CONFORMANCE
WITH THIS DATA SHEET OR PRODUCT LABEL, OR WHICH INVOLVES USING THE PRODUCT
IN COMBINATION WITH ANY OTHER PRODUCT OR ANY OTHER PROCESS IS THE
RESPONSIBILITY OF THE USER.

MSDS NO:
6000