



Common Name: SKY LIGHT GLASS AND SURFACE CLEANER CONCENTRATE

Manufacturer: RAMSEY

MSDS Revision Date: 10/10/2003

Grainger Item Number(s): 2NY10, 2NY11, 3UT52, 5TN97

Manufacturer Model Number(s): SKY LIGHT, SKYLIGHT

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RAMSEY (R*)

MATERIAL SAFETY DATA SHEET

SKY LIGHT GLASS AND SURFACE CLEANER CONCENTRATE

MSDS NO: 6305

DATE PREPARED: 10/10/2003

DATE REVISED: 10/10/2003

1. PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME/USE: SKY LIGHT GLASS AND SURFACE CLEANER CONCENTRATE

PRODUCT CODE: 6305110

MANUFACTURER:
THE RAMSEY COMPANY
8310 16TH ST.
STURTEVANT, WI 53177-0902

RAMSEY TELEPHONE NUMBER: 800-421-2768

EMERGENCY TELEPHONE (24 HOURS): 800-228-5635

CHEMTREC (U.S./CAN.): 800-424-9300
CHEMTREC (INT'L): +1 703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS



INGREDIENT(S)	CAS#	% BY WEIGHT	OSHA PEL/STEL	ACGIH TLV/STEL
WATER	7732-18-5	60-100	NA	NA
ETHANOL, 2-BUTOXY	111-76-2	1-5	25 PPM 120 MG/M3/SKIN	25 PPM 121 MG/M3/SKIN
2-PROPANOL	67-63-0	0.5-1.5	400 PPM 980 MG/M3/ 500 PPM 1225 MG/M3	400 PPM 983 MG/M3/ 500 PPM 1230 MG/M3
AMMONIUM HYDROXIDE	1336-21-6	0.1-1	50 PPM 35 MG/M3 /35 PPM 27 MG/M3	25 PPM 17 MG/M3/ 35 PPM 24 MG/M3 (NH3)
ETHYL ALCOHOL	64-17-5	0.1-1	1000 PPM 1900 MG/M3	1000 PPM 1880 MG/M3

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, BLUE LIQUID. AMMONIA/SOLVENT ODOR. MAY CAUSE EYE 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: MAY CAUSE EYE IRRITATION. SYMPTOMS MAY INCLUDE REDNESS AND PAIN.

SKIN: MAY CAUSE MILD SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS.

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. HIGH CONCENTRATIONS OF VAPOR OR MIST MAY ALSO CAUSE CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING HEADACHE, DIZZINESS AND NAUSEA.

EFFECTS OF CHRONIC EXPOSURE:
PROLONGED OR REPEATED CONTACT CAN CAUSE DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS (RASH).

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 WITH WATER, THEN WASH WITH SOAP AND WATER. REMOVE SATURATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

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: > 93 DEG. C (200 DEG. F) TCC

FLAMMABLE LIMITS: NOT APPLICABLE.

AUTOIGNITION TEMPERATURE: NOT APPLICABLE.

EXTINGUISHING MEDIA: USE WATER FOG, DRY CHEMICAL, CO2, OR FOAM.

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

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. VENTILATE SPILL AREA. 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 SKIN, EYES AND CLOTHING. USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR OR MIST. WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED 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 PROLONGED OR REPEATED CONTACT IS POSSIBLE, CHEMICAL-RESISTANT CLOTHING (E.G., GLOVES) IS RECOMMENDED.

RESPIRATORY:
NO RESPIRATORY PROTECTION IS REQUIRED IF VENTILATION IS ADEQUATE AND AIRBORNE CONCENTRATIONS ARE KEPT BELOW EXPOSURE LIMITS. WHEN EXPOSURE LIMITS MAY BE EXCEEDED, USE APPROPRIATE RESPIRATORY PROTECTION (NIOSH)/MSHA-APPROVED) TO PREVENT OVEREXPOSURE.

9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: LIQUID
ODOR: AMMONIA/SOLVENT
APPEARANCE: CLEAR, BLUE
pH: 10.0 TO 11.5
PERCENT VOLATILE BY WEIGHT: 99
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: 0.99
VISCOSITY: WATER THIN
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.
INCOMPATIBLE MATERIALS:
OXIDIZERS, CHLORINE (E.G., BLEACH), STRONG ACIDS (E.G. HYDROCHLORIC ACID), STRONG BASES (E.G., SODIUM HYDROXIDE), AND REACTIVE METALS (E.G., ALUMINUM).

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)
WATER			
ETHANOL, 2-BUTOXY	470 MG/KG	220 MG/KG	450 PPM (4-HR)
2-PROPANOL	4710 MG/KG	12870 MG/KG	17000 PPM (4-HR)
AMMONIUM HYDROXIDE	350 MG/KG	NOT AVAILABLE	3670 PPM (4-HR)
ETHYL ALCOHOL	7060 MG/KG	NOT AVAILABLE	31623 PPM (4-HR)

SENSITIZATION DATA: NO DATA AVAILABLE.

CHRONIC DATA:
PROLONGED OVEREXPOSURE TO AMMONIA BY INHALATION HAS CAUSED RESPIRATORY TRACT EFFECTS IN HUMANS. PROLONGED OVEREXPOSURE TO 2-PROPANOL BY INGESTION AND INHALATION HAS CAUSED CENTRAL NERVOUS SYSTEM EFFECTS IN HUMANS AND LABORATORY ANIMALS; OVEREXPOSURE BY INGESTION HAS ALSO CAUSED LIVER EFFECTS IN ANIMALS. PROLONGED OVEREXPOSURE TO HIGH CONCENTRATIONS OF ETHANOL, 2-BUTOXY HAS CAUSED BLOOD, LIVER AND KIDNEY EFFECTS IN LABORATORY ANIMALS.

REPRODUCTIVE/TERATOGENIC DATA:
EXCESSIVE AND PROLONGED INGESTION OF ETHYL ALCOHOL HAS BEEN FOUND TO CAUSE REPRODUCTIVE AND TERATOGENIC EFFECTS IN HUMANS AND LABORATORY ANIMALS. INGESTION OF 2-PROPANOL HAS CAUSED SLIGHT FETOTOXIC AND REPRODUCTIVE EFFECTS IN LABORATORY ANIMALS.

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



THIS PRODUCT IS MADE WITH ALL BIODEGRADABLE DETERGENTS. NO OTHER 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: NOT 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 IRRITANT. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

16. OTHER INFORMATION



HMIS RATING:
HEALTH 1*
FLAMMABILITY 1
REACTIVITY 0
PERSONAL PROTECTION

NFPA CODES:
1
1
0

APPROVED BY: PRODUCT SAFETY & REGULATORY

MSDS STATUS:
REVISION #: 1

THIS MSDS REPLACES THE MAY 26, 2000 MSDS. ANY CHANGES IN INFORMATION ARE AS FOLLOWS:
IN SECTION 1
APPROVED BY PRODUCT CODE DATE PREPARED

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.