



Common Name: REFLECTA NEUTRAL FLOOR CLEANER (DILUTION CONTROL CONCENTRATE)

Manufacturer: RAMSEY

MSDS Revision Date: 10/9/2003

Grainger Item Number(s): 1MN60, 1MN61, 1MN62, 1MN63, 3UT53, 5TN98

Manufacturer Model Number(s): REFLECTA

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RAMSEY (R*)
MATERIAL SAFETY DATA SHEET
REFLECTA NEUTRAL FLOOR CLEANER (DILUTION CONTROL CONCENTRATE)
MSDS NO: 6322
DATE PREPARED: 01/10/2002
DATE REVISED: 10/09/2003

1. PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME/USE:
REFLECTA NEUTRAL FLOOR CLEANER (DILUTION CONTROL CONCENTRATE)

PRODUCT SYNONYMS:
PRACTICAL SOLUTIONS REFLECTA NEUTRAL FLOOR CLEANER;
SINGLE SOLUTION REFLECTA NEUTRAL FLOOR CLEANER

PRODUCT CODE: 6322100, 6322020

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
ALKOXYLATED LINEAR ALCOHOL	68987-81-5	7 - 13	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, ORANGE LIQUID. CITRUS ODOR. CAUSES EYE IRRITATION.

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

PRIMARY ROUTE(S) OF EXPOSURE:
(X) EYE
(X) SKIN CONTACT
() SKIN ABSORPTION
(X) INHALATION
(X) INGESTION

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

EYES: CAUSES 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.

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

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 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 EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

HAZARDOUS COMBUSTION PRODUCTS:
NORMAL PRODUCTS OF COMBUSTION (CARBON MONOXIDE AND CARBON DIOXIDE).

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. 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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: LIQUID

ODOR: CITRUS

APPEARANCE: CLEAR, ORANGE

pH: 6 TO 8.5

PERCENT VOLATILE BY WEIGHT: 87

VAPOR PRESSURE: NOT DETERMINED

VAPOR DENSITY: NOT DETERMINED

BOILING POINT: NOT DETERMINED

FREEZING/MELTING POINT: NOT DETERMINED

SOLUBILITY IN WATER: COMPLETE

EVAPORATION RATE: NOT DETERMINED

SPECIFIC GRAVITY: 1.011

VISCOSITY: NOT DETERMINED

OCTANOL/WATER PARTITION COEFFICIENT: NOT DETERMINED

ODOR THRESHOLD: NOT DETERMINED

10. STABILITY AND REACTIVITY



STABILITY (CONDITIONS TO AVOID): STABLE.

POLYMERIZATION: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION: NONE KNOWN.

INCOMPATIBLE MATERIALS: OXIDIZERS (E.G., BLEACH).

11. TOXICOLOGICAL INFORMATION



ACUTE DATA:
NO DATA IS AVAILABLE FOR THIS PRODUCT. THE FOLLOWING DATA ARE AVAILABLE FOR
PRODUCT INGREDIENTS:

PRODUCT/INGREDIENT	ORAL LD50 (RAT)	DERMAL LD50 (RABBIT)	INHALATION LC50 (RAT)
WATER			
ALKOXYLATED LINEAR ALCOHOL	1800 MG/KG	>2000 MG/KG	NOT AVAILABLE

SENSITIZATION DATA: NO DATA AVAILABLE.

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



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 CATEGORY:
IMMEDIATE.

313 REPORTABLE INGREDIENTS:
INGREDIENTS IN THIS PRODUCT ARE NOT CURRENTLY SUBJECT TO NOTIFICATION.

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 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 2
FLAMMABILITY 0
REACTIVITY 0
PERSONAL PROTECTION

NFPA CODES:
1
0
0

APPROVED BY: PRODUCT SAFETY & REGULATORY

MSDS STATUS:
REVISION #: 1

THIS MSDS REPLACES THE MSDS. ANY CHANGES IN INFORMATION ARE AS FOLLOWS:
IN SECTION 1: PRODUCT CODE

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.