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MSDS

Common Name: ENVIRO GLASS CLEANER
Manufacturer: W.W. GRAINGER
MSDS Revision Date: 10/26/2007

Grainger Item Number(s): 2CXU5
Manufacturer Model Number(s):

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TOUGH GUY

MATERIAL SAFETY DATA SHEET

ENVIRO GLASS CLEANER

VERSION NUMBER: 1

PREPARATION DATE: 2007-10-26

1. PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME: ENVIRO GLASS CLEANER

MSDS #: MS0600429

PRODUCT CODE: 2CXU5

RECOMMENDED USE:
CLEANING PRODUCT. THIS PRODUCT IS INTENDED TO BE DILUTED PRIOR TO USE.

MANUFACTURER, IMPORTER, SUPPLIER:

MANUFACTURED FOR:
W. W. GRAINGER, INC.
100 GRAINGER PARKWAY
LAKE FOREST, IL 60045-5201

PHONE: 1-847-535-1000

TECHNICAL SERVICE: 1-847-535-5400

EMERGENCY TELEPHONE NUMBER: 1-800-983-4582

2. HAZARDS IDENTIFICATION



EMERGENCY OVERVIEW:**CAUTION**

MAY BE MILDLY IRRITATING TO EYES

MAY BE MILDLY IRRITATING TO SKIN

PRINCIPLE ROUTES OF EXPOSURE:

EYE CONTACT

SKIN CONTACT

INHALATION

EYE CONTACT: MAY BE MILDLY IRRITATING TO EYES

SKIN CONTACT: MAY BE MILDLY IRRITATING TO SKIN

INHALATION: NONE

INGESTION: NONE KNOWN

3. COMPOSITION/INFORMATION ON INGREDIENTS**HAZARDOUS COMPONENTS:**

INGREDIENT (S)	CAS #	WEIGHT %
SODIUM LAURYL SULFATE	151-21-3	1 - 5%
ETHYL ALCOHOL	64-17-5	0.1 - 1.5%

HAZARDOUS COMPONENTS:

INGREDIENT (S)	LD50 ORAL - RAT (MG/KG)	LD50 DERMAL - RABBIT	LC50 INHALATION - RAT
SODIUM LAURYL SULFATE	800	NOT AVAILABLE	NOT AVAILABLE
ETHYL ALCOHOL	1501	NOT AVAILABLE	=124.7 MG/L (4 H)

4. FIRST AID MEASURES**EYE CONTACT:**

FLUSH IMMEDIATELY WITH PLENTY OF WATER
IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION

SKIN CONTACT:

FLUSH IMMEDIATELY WITH PLENTY OF WATER
IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION

INHALATION: NO SPECIFIC FIRST AID MEASURES ARE REQUIRED

INGESTION: NO SPECIFIC FIRST AID MEASURES ARE REQUIRED

AGGRAVATED MEDICAL CONDITIONS: NONE KNOWN

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: NOT APPLICABLE

SPECIFIC HAZARDS: NOT APPLICABLE

UNUSUAL HAZARDS: NONE KNOWN

SPECIFIC METHODS: NO SPECIAL METHODS REQUIRED

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND,
MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR

EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:

NO INFORMATION AVAILABLE

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: USE PERSONAL PROTECTIVE EQUIPMENT

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS: NO INFORMATION AVAILABLE

7. HANDLING AND STORAGE



HANDLING:

AVOID CONTACT WITH SKIN AND EYES

FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

STORAGE:

PROTECT FROM FREEZING

KEEP TIGHTLY CLOSED IN A DRY, COOL AND WELL-VENTILATED PLACE

KEEP OUT OF REACH OF CHILDREN

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



ENGINEERING MEASURES TO REDUCE EXPOSURE:

NO SPECIAL VENTILATION REQUIREMENTS

GENERAL ROOM VENTILATION IS ADEQUATE

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION: NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS

HAND PROTECTION: NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS

SKIN AND BODY PROTECTION:

NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS

RESPIRATORY PROTECTION:

NO SPECIAL REQUIREMENTS UNDER NORMAL USE CONDITIONS

HYGIENE MEASURES:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE

PERSONAL PROTECTIVE EQUIPMENT: NONE

INGREDIENT(S)	CAS #	ACGIH	OSHA	MEXICO
ETHYL ALCOHOL	64-17-5	1000 PPM (TWA)	1000 PPM (TWA) 1900 MG/M3 (TWA)	1000 PPM (TWA) 1900 MG/M3 (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: LIQUID

APPEARANCE: AQUEOUS SOLUTION

SPECIFIC GRAVITY: 1.0

pH: 7.0

DILUTION pH: 7.0

ELEMENTAL PHOSPHORUS: 0%P

DENSITY: 8.34 LBS/GAL

BULK DENSITY: NO INFORMATION AVAILABLE

VAPOR DENSITY: NO INFORMATION AVAILABLE

EVAPORATION RATE: NO INFORMATION AVAILABLE

SOLUBILITY: COMPLETELY SOLUBLE

VOC: 0.25% *

VISCOSITY: NO INFORMATION AVAILABLE

SOLUBILITY IN OTHER SOLVENTS: NO INFORMATION AVAILABLE

PARTITION COEFFICIENT (n-OCTANOL/WATER): NO INFORMATION AVAILABLE

COLOR: BLUE

ODOR: SURFACTANT

BOILING POINT/RANGE: NOT DETERMINED

MELTING POINT/RANGE: NOT DETERMINED

FLASH POINT:
>200 DEG. F
>93.3 DEG. C

DECOMPOSITION TEMPERATURE: NOT DETERMINED

AUTOIGNITION TEMPERATURE: NO INFORMATION AVAILABLE

* - TITLE 17, CALIFORNIA CODE OF REGULATIONS, DIVISION 3, CHAPTER 1,
SUBCHAPTER 8.5, ARTICLE 2, CONSUMER PRODUCTS, SECTIONS 94508

10. STABILITY AND REACTIVITY



STABILITY: THE PRODUCT IS STABLE

POLYMERIZATION: HAZARDOUS POLYMERIZATION DOES NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: NONE REASONABLY FORESEEABLE.

11. TOXICOLOGICAL INFORMATION



ACUTE TOXICITY:
ORAL LD50 ESTIMATED TO BE GREATER THAN 5000 MG/KG.
DERMAL LD50 ESTIMATED TO BE >2000 MG/KG.

COMPONENT INFORMATION: SEE SECTION 3

CHRONIC TOXICITY: NONE KNOWN

SPECIFIC EFFECTS:

CARCINOGENIC EFFECTS: NONE KNOWN

MUTAGENIC EFFECTS: NONE KNOWN

REPRODUCTIVE TOXICITY: NONE KNOWN

TARGET ORGAN EFFECTS: NONE KNOWN

HAZARDOUS COMPONENTS:

INGREDIENT(S)	CAS #	NTP	IARC	OSHA
ETHYL ALCOHOL	64-17-5	X		X

12. ECOLOGICAL INFORMATION



ENVIRONMENTAL INFORMATION: NO DATA AVAILABLE

13. DISPOSAL CONSIDERATIONS



WASTE FROM RESIDUES / UNUSED PRODUCTS:
DISPOSE OF ACCORDING TO ALL FEDERAL, STATE AND LOCAL APPLICABLE
REGULATIONS

14. TRANSPORT INFORMATION



DOT/TDG:
PLEASE REFER TO THE BILL OF LADING/RECEIVING DOCUMENTS FOR UP TO DATE
SHIPPING INFORMATION

15. REGULATORY INFORMATION



INTERNATIONAL INVENTORIES:
ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE FOLLOWING INVENTORIES:
U.S.A. (TSCA).

U.S. REGULATIONS:

CALIFORNIA PROPOSITION 65:
THIS PRODUCT IS NOT SUBJECT TO THE REPORTING REQUIREMENTS UNDER
CALIFORNIA'S PROPOSITION 65

SARA 311/312 HAZARD CATEGORIES:

IMMEDIATE ()
DELAYED ()
FIRE ()
REACTIVITY ()
SUDDEN RELEASE OF PRESSURE ()

CANADA:

WHMIS HAZARD CLASS: NOT FOR SALE IN CANADA.

STATE RIGHT TO KNOW:

INGREDIENT(S)	CAS #	NJRTK	MARTK	PARTK	RIRTK
WATER	7732-18-5				
SODIUM LAURYL SULFATE	151-21-3				
ALCOHOL ETHOXYLATES	68439-46-3				
ETHYL ALCOHOL	64-17-5	X	X	X	X
SODIUM LAURYL ETHER SULFATE	9004-82-4				

CERCLA/SARA:

16. OTHER INFORMATION

HMIS:

HEALTH 1
FIRE HAZARD 0
REACTIVITY 0

NFPA:

HEALTH 1
FLAMMABILITY 0
INSTABILITY 0

REASON FOR REVISION: NOT APPLICABLE

PREPARED BY: NAPRAC

ADDITIONAL ADVICE: NONE

NOTICE TO READER:

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FOR ANY PARTICULAR USE AND TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL
AND LOCAL LAWS AND REGULATIONS.