

ITEM: 3ZLD4 - Cleaner-Degreaser Multi-Purpose 2.

PICK REQ: 1134203778

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: B4361

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - B4361

Associated Grainger Item: 3ZLD4 - Cleaner-Degreaser Multi-Purpose 2.

MATERIAL SAFETY DATA SHEET

MATERIAL IDENTITY: SUPERCLEAN TOUGH TASK

----- SECTION 1 - MANUFACTURER'S INFORMATION -----

MANUFACTURER:
SUPERCLEAN BRANDS, INC.
51 EAST MARYLAND AVENUE ST.
PAUL, MN 55117-4615

TELEPHONE: (651) 489-8211

FACSIMILE: (651) 489-8247

TRANSPORTATION EMERGENCY (FOR IMMEDIATE INFORMATION ABOUT A CHEMICAL OR TO SEEK ASSISTANCE FROM A MANUFACTURER): 1-800-535-5053

DATE UPDATED: MARCH 27, 2008

----- SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION -----

COMMON NAME: CLEANER

PRODUCT USE: MULTI-PURPOSE CLEANER/DEGREASER

PRODUCT IDENTIFICATION: CLEANER

NFPA HAZARD RATINGS:
HEALTH 3
FLAMMABILITY 0
REACTIVITY 1
OTHER NOT APPLICABLE

INGREDIENTS - CHEMICAL/COMMON NAME	EXPOSURE LIMITS-TVL	LD50	LC50	%
WATER (CASRN 7732-18-5)	ND	ND	ND	60-100
2-BUTOXYETHANOL (CASRN 111-76-2)	PEL/TWA: 25 PPM SKIN (OSHA, ACGIH)	ORAL, RABBIT: 300 MG/KG DERMAL, RABBIT: 220 MG/KG INTRAVENOUS, RABBIT: 252 MG/KG INTRAPERITONEAL, RAT: 220 MG/KG	INHALATION, 7 HR. MOUSE: 700 PPM	5-10
SODIUM XYLENE SULFONATE (CASRN 1300-72-7)	ND	ND	ND	1-5
NONYLPHENOL ETHOXYLATE (CASRN 127087-87-0)	ND	ND	ND	1-5
SODIUM HYDROXIDE (CASRN 1310-73-2)	PEL/TWA: 2 MG/M3 (OSHA, ACGIH), CEILING	ORAL, MOUSE: 40 MG/KG	ND	1-5
SODIUM METASILICATE PENTAHYDRATE (CASRN 6834-92-0)	ND	ORAL, MOUSE: 770 MG/KG	ND	1-5
OTHER ADDITIVES (CASRN, NA)	ND	ND	ND	0.5-1.5
DYE AND FRAGRANCE (CASRN, NA)	ND	ND	ND	0.1-1

----- SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS -----

BOILING POINT: APPROX. (212 F) 100 C

SPECIFIC GRAVITY (WATER=1): 1.04

FLASH POINT (COC): NA

VAPOR PRESSURE (MM. Hg. @ 25 C): ND

VAPOR DENSITY (AIR=1): ND

PERCENT VOLATILES: 85-95%

EVAPORATION RATE (WATER=1): 1

SOLUBILITY IN WATER: COMPLETE

FREEZE POINT: APPROX. 28 F (2 C)

pH: NEAT - 13.0; 2% - 11.7

VISCOSITY @ 40 DEG. C, CST.: ND

ODOR THRESHOLD: NA

COEFFICIENT OF WATER/OIL DISTRIBUTION: NA

APPEARANCE, ODOR & PHYSICAL STATE: CLEAR, PURPLE LIQUID; LEMON ODOR

----- SECTION 4 - FIRE AND EXPLOSION HAZARD DATA -----

FLAMMABILITY:
YES ()
NO (X) AQUEOUS FLUID

FIRE POINT (COC): NA

AUTOIGNITION TEMPERATURE: NA

FLAMMABILITY LIMITS IN AIR, % VOL.:
UPPER: NA
LOWER: NA

EXTINGUISHING MEDIA:
USE MEDIA APPROPRIATE FOR ANY SURROUNDING COMBUSTIBLE SUBSTANCES (WATERFOG, CO2, DRY CHEMICAL, FOAM).

SPECIAL FIREFIGHTING PROCEDURES/UNUSUAL AND EXPLOSION HAZARDS:
COOL FIRE EXPOSED CONTAINERS WITH WATER. DO NOT ENTER CONFINED AREAS WITHOUT FULL PROTECTIVE EQUIPMENT, INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

EXPLOSION DATA:
SENSITIVITY TO MECHANICAL IMPACT: NA
SENSITIVITY TO STATIC DISCHARGE: NA

----- SECTION 5 - REACTIVITY DATA -----

STABILITY: STABLE AT AMBIENT TEMPERATURES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID (INCOMPATIBILITIES):
STRONG ACIDS.
STRONG OXIDIZERS.
AVOID CONTACT WITH GLASS.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:
SMOKE, FUMES, OXIDES OF CARBON

----- SECTION 6 - HEALTH HAZARD DATA -----

EXPOSURE LIMITS: SEE SECTION II, PRODUCT/INGREDIENT

PRIMARY ROUTES OF ENTRY:
(X) EYE CONTACT
(X) SKIN CONTACT
() SKIN ABSORPTION
(X) INHALATION (ACUTE)
() INHALATION (CHRONIC)
() INGESTION

EFFECTS OF EXPOSURE:

ACUTE:

DANGER!

CORROSIVE LIQUID

EYES: CAN CAUSE SEVERE IRRITATION OR BURNS. AVOID CONTACT.

SKIN: CAN CAUSE SEVERE IRRITATION OR BURNS. AVOID CONTACT.

RESPIRATORY SYSTEM:
CAN CAUSE IRRITATION OR BURNS FOLLOWING INHALATION OF MISTS.

INGESTION:
CAN CAUSE SEVERE IRRITATION OR BURNS TO DIGESTIVE TRACT. DO NOT SWALLOW.

CHRONIC: NO CHRONIC EFFECTS KNOWN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
PRE-EXISTING SKIN DISORDERS.

TOXICOLOGY DATA (PRODUCT):

ACUTE DATA (MEDIAN LETHAL DOSE-SPECIES):
ORAL LD50-RAT: 8.2 GLKG
DERMAL LD50-RABBIT: ND
INHALATION LC50-RAT: ND

IRRITANCY DATA:
EYE IRRITATION - RABBIT: ND
SKIN IRRITATION - RABBIT: ND
SENSITIZATION - GUINEA PIG: ND

SIGNS/SYMPTOMS:

EYES: IRRITATION, REDNESS, TEARING, PAIN; CONJUNCTIVAL SWELLING, BURNS.

SKIN: IRRITATION, REDNESS, EXTREME DRYNESS AND PEELING, SCARRING.

RESPIRATORY SYSTEM:
NASAL AND RESPIRATORY IRRITATION, PNEUMONITIS, TISSUE DAMAGE

EYE CONTACT:
IMMEDIATELY FLUSH WITH PLENTY OF CLEAN WATER FOR AT LEAST 15 MINUTES.
CONSULT A PHYSICIAN IMMEDIATELY.

SKIN CONTACT:
REMOVE CLOTHING. IMMEDIATELY FLUSH SKIN WITH PLENTY OF CLEAN WATER FOR 15 MINUTES. CALL A PHYSICIAN IMMEDIATELY.

INHALATION:
REMOVE FROM AREA OF EXPOSURE. IF BREATHING IS DIFFICULT OR IRRITATION PERSISTS, CALL A PHYSICIAN.

INGESTION:
DO NOT INDUCE VOMITING. GIVE PLENTY OF WATER OR MILK AND CALL PHYSICIAN IMMEDIATELY. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

EMERGENCY PHONE NUMBER:
1-800-35-5053 24 HRS FOR U.S. > TRANSPORTATION RELATED SPILLS, LEAKS, FIRE, EXPOSURE OR ACCIDENT.

SPILL OR LEAK PROCEDURES:
USE BEST ENGINEERING PRACTICES WHEN ATTEMPTING CLEANUP OF A LARGE SPILL.

LARGE SPILLS:
WEAR RESPIRATOR AND APPROPRIATE PROTECTIVE CLOTHING. STOP SOURCE OF LEAK IF POSSIBLE. DIKE, CONTAIN SPILL AND RECOVER FREE LIQUID. PREVENT ENTRY INTO WATERWAYS. NEUTRALIZE AND/OR SOAK UP RESIDUE WITH AN INERT ABSORBENT SUCH AS CLAY, SAND OR FREE LIQUID. PREVENT ENTRY INTO WATERWAYS. NEUTRALIZE AND/OR SOAK UP RESIDUE WITH AN INERT ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIALS; STORE AND DISPOSE OF PROPERLY. FLUSH AREA WITH WATER. WHERE FEASIBLE AND APPROPRIATE, REMOVE CONTAMINATED SOIL.

SMALL SPILLS:
NEUTRALIZE AND/OR SOAK UP SPILL WITH AN INERT ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIALS;
STORE IN A CLOSED CONTAINER AND DISPOSE OF PROPERLY.

REGULATORY SPILL REPORTING REQUIREMENTS MAY APPLY; CONTACT GOVERNMENTAL AGENCY OR LEGAL COUNSEL FOR ADVICE.

WASTE DISPOSAL METHOD:
IF DISCARDED AS SUPPLIED, MATERIAL MEETS RCRA CHARACTERISTIC DEFINITION OF CORROSIVITY, 0002. THE TOXICITY CHARACTERISTIC HAS NOT BEEN EVALUATED. UNDER RCRA, THE APPLICABLE HAZARDOUS WASTE CLASSIFICATION MUST BE EVALUATED PRIOR TO DISPOSAL OF THE MATERIAL. USE OF THE PRODUCT, PROCESSING CONTAMINATION MAY RENDER THE RESULTING MATERIAL HAZARDOUS OR ALTER WASTE CLASSIFICATION.

ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED, TRANSPORTED AND DISPOSED OF OR RECLAIMED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS REGARDING AIR POLLUTION, WATER POLLUTION OR HEALTH.

CAUTION:
IMPROPER DISPOSAL OR REUSE OF THE EMPTY CONTAINER MAY BE HAZARDOUS AND ILLEGAL. CUTTING OR WELDING OF EMPTY CONTAINERS MAY CAUSE EXPLOSION OR TOXIC FUMES FROM RESIDUES. DO NOT PRESSURIZE OR EXPOSE TO OPEN FLAME OR HEAT. KEEP CONTAINER CLOSED AND DRUM BUNGS IN PLACE. RE TO APPLICABLE GOVERNMENTAL REGULATIONS.

SECTION 8 - SPECIAL PROTECTION INFORMATION

VENTILATION:
GENERAL VENTILATION AND LOCAL EXHAUST RECOMMENDED. BUILD UP OF MISTS/VAPORS IN THE WORKING ATMOSPHERE MUST BE PREVENTED.

PERSONAL PROTECTIVE EQUIPMENT:
WATERPROOF RESPIRATORS SHOULD BE USED WHEN ENGINEERING OR OTHER CONTROLS ARE NOT TECHNICALLY FEASIBLE.

PROTECTION:
REQUIRED. USE ONLY A MSHA/NIOSH APPROVED AIR SUPPLIED RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR.

EYE: SAFETY GOGGLES OR FACE SHIELD.

GLOVES (SPECIFY):
IMPERVIOUS TYPE GLOVES, SUCH AS RUBBER, NEOPRENE, NITRILE, POLYETHYLENE.

CLOTHING:
PROTECTIVE CLOTHING SUCH AS A COVERALL OR APRON MAY BE USED TO MINIMIZE SKIN CONTACT.

FOOTWEAR: NO SPECIAL REQUIREMENT.

OTHER: EYE WASH AND SAFETY SHOWER RECOMMENDED IN INDUSTRIAL SETTINGS

WORK HYGIENIC PRACTICES:
AVOID SKIN AND EYE CONTACT. DO NOT WEAR CONTAMINATED CLOTHING; LAUNDRY BEFORE RE-USE OR DISCARD. WASH HANDS THOROUGHLY AFTER HANDLING.

STORAGE/HANDLING:
MAINTAIN AMBIENT TEMPERATURES. AVOID PROLONGED BREATHING OF MISTS. USE WITH ADEQUATE VENTILATION. CORROSIVE TO THE EYES AND SKIN. SEVERE INTERNAL IRRITATION AND DAMAGE CAN RESULT WHEN INGESTED AVOID CONTACT WITH EYES, SKIN OR CLOTHING

DO NOT SWALLOW. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

KEEP OUT OF REACH OF CHILDREN.

SECTION 9 - OTHER HAZARDOUS INFORMATION AND DEFINITIONS

OSHA PEL:
THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S PERMISSIBLE EXPOSURE LIMIT, WHICH IS DEFINED AS THE MAXIMUM CONCENTRATION OF CONTAMINANT TO WHICH A NORMAL HEALTHY INDIVIDUAL MAY BE EXPOSED 8-HOURS PER DAY, 40-HOURS PER WEEK, WITHOUT EXPERIENCING ADVERSE HEALTH EFFECTS OVER A WORKING LIFETIME.

ACGIH TLV:
AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENIST'S THRESHOLD LIMIT VALUE, SIMILAR TO THE OSHA PEL BUT NOT CONSIDERED A LEGAL STANDARD.

SECTION 10 - TRANSPORTATION INFORMATION

TRANSPORTATION:

SPILLER SHIPPING INFORMATION/DOT PROPER SHIPPING NAME:
IN INNER PACKAGING NOT OVER 1 L (32 OZ) LIMITED QUANTITY, CONSUMER COMMODITY, ORM-D PER 49 CFR 173.154 (B) (1)

IN INNER PACKAGING OVER 1 L (1 GALLON) UN 1760, CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE), 8, PG II

IN INNER PACKAGING OVER 1 L (2.5 GALLON, 5 GALLON, 30 GALLON, 55 GALLON) UN3266 CORROSIVE LIQUID, BASIC INORGANIC, N.O.S. (SODIUM HYDROXIDE, SODIUM METASILICATE), 8, PG II

CHEMICAL CONTROL REGULATIONS:

TSCA STATUS:
ALL COMPONENTS OF THIS MATERIAL APPEAR ON THE TOXIC SUBSTANCE CONTROL ACT CHEMICAL SUBSTANCES INVENTORY.

CEPA STATUS:
ALL COMPONENTS OF THIS PRODUCT APPEAR ON THE CANADIAN DOMESTIC SUBSTANCES LIST

CANADIAN WORKPLACE HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (WHMIS) CLASSIFICATION:

MATERIAL IS A CONTROLLED PRODUCT:
() CLASS A - COMPRESSED GAS
() CLASS B-1 - FLAMMABLE GASES
() CLASS B-2 - FLAMMABLE LIQUIDS
() CLASS B-3 - COMBUSTIBLE LIQUIDS
() CLASS B-4 - FLAMMABLE SOLIDS
() CLASS B-5 - FLAMMABLE AEROSOLS
() CLASS C - OXIDIZING MATERIAL
() CLASS 8-6 - REACTIVE FLAMMABLE MATERIALS

CLASS D, DIV. 1 - MATERIALS CAUSING IMMEDIATE AND SERIOUS TOXIC EFFECTS:
() CLASS D-1A. VERY TOXIC MATERIAL
() CLASS 0-1 B - TOXIC MATERIAL

CLASS D, DIV. 2 - MATERIALS CAUSING OTHER TOXIC EFFECTS:
() CLASS D-2A - VERY TOXIC MATERIALS
(X) CLASS D-2B. TOXIC MATERIALS
(X) CLASS E-CORROSIVE MATERIAL
() CLASS 0-3 - BIOHAZARDOUS INFECTIOUS MATERIAL
() CLASS F - DANGEROUSLY REACTIVE MATERIAL

EPCRA. EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT (SARA TITLE III):

SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

CERCLA SECTION 102(A) HAZARDOUS SUBSTANCE: NA

SODIUM HYDROXIDE. REPORTABLE QUANTITY FOR PRODUCT:
25,000 POUNDS (11,250 KG).

SECTION 311 HAZARD CATEGORY:
(X) ACUTE (IMMEDIATE)
() CHRONIC (DELAYED)
() FIRE
() SUDDEN RELEASE OF PRESSURE
() REACTIVE
() NOT APPLICABLE

SECTION 313 TOXIC RELEASE INVENTORY CHEMICAL/CATEGORY:
GLYCOL ETHERS, 6.5% (WT.) MAX.

U.S. STATE RIGHT TO KNOW LAWS:

NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW ACT, N.J.A.C. 8:59-5 LABELING INFORMATION: SEE SECTION II.

CALIFORNIA SAFE DRINKING WATER ENFORCEMENT ACT (PROPOSITION 65):
THIS PRODUCT CONTAINS ONE OR MORE CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE HARM.

NOTICE:
THE INFORMATION PRESENTED HEREIN IS COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE, BELIEVED TO BE ACCURATE TO THE BEST OF SUPER CLEAN ACQUISITIONS LLC KNOWLEDGE AND OFFERED IN GOOD FAITH FOR THE PURPOSE OF HAZARD COMMUNICATION. BECAUSE PRODUCT USE IS BEYOND OUR CONTROL NO WARRANTY IS GIVEN EXPRESSED OR IMPLIED. SUPER CLEAN ACQUISITIONS LLC CANNOT ASSUME ANY LIABILITY FOR THE USE OF INFORMATION CONTAINED HEREIN. TO DETERMINE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT USE IS BEYOND OUR CONTROL NO WARRANTY IS GIVEN EXPRESSED OR IMPLIED. SUPER CLEAN ACQUISITIONS LLC CANNOT ASSUME ANY LIABILITY, USER SHOULD CONSULT A LEGAL ADVISOR OR APPROPRIATE GOVERNMENTAL AGENCY.