



Hunnisett Chemicals Ltd.

200 Wicksteed Avenue, Toronto, Ontario M4G 2B6

MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910.1200)

Degree of hazard: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant

Health: 1

Flammability: 0

Reactivity: 0

SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME: Ecogent General Purpose Cleaner

DATE REVIEWED: Thursday, February 27, 2003

DOC CODE: Ecogent General Purpose Cleaner

CHEMICAL FAMILY: Mixture.

EMERGENCY 24-HOUR TELEPHONE # 1-613-996-6666 (Canutec)

N/A = Not applicable or Not available.

N/D = Not determined.

SECTION II: COMPOSITION/ INFORMATION ON INGREDIENTS

This product has not been tested as a whole for health effects on animals or humans. According to the OSHA Hazardous Communications Standard (29 CFR 1910.1200) any hazardous ingredients that comprise >1.0% of the material and any carcinogenic ingredients that comprise >0.1% must be listed on the MSDS. When individually tested at 100% ingredients in the make-up of this product posed the following health hazards.

SECTION II a: HAZARDOUS INGREDIENTS >1.0%

Chemical Name	CAS #	PEL	TLV
2-Hydroxypropanoic Acid	50-21-5	NA	NA

SECTION II b: CARCINOGENIC INGREDIENTS AT >0.1%

None.

SECTION III: HAZARDS IDENTIFICATION

EYES: May cause mild eye irritation.

SKIN: None expected.

INGESTION: Ingesting large amounts may cause abdominal discomfort, nausea and diarrhea.

SECTION IV: FIRST AID PROCEDURES

EYES: Flush with water for at least 15 minutes. If irritation persists consult physician.

INGESTION: Drink 1 to 2 glasses of water. Consult physician.

SKIN: Remove contaminated clothing. Thoroughly wash exposed area with soap and water.

PHYSICIAN: Treatment based on judgment of attending physician.

SECTION V: FIRE AND EXPLOSION DATA

FLASH POINT: N/A

AUTO-IGNITION TEMPERATURE: N/D

EXPLOSIVE LIMITS - UEL: N/D LEL: N/D

EXTINGUISHING MEDIA: Alcohol foam, water fog, CO₂ or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved self-contained positive pressure breathing apparatus and protective clothing where this material is involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARD: None known.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Scoop up spilled material and re-use if possible. If material cannot be used dispose in landfill.

SECTION VII: HANDLING AND STORAGE

No special precautions required.

SECTION VIII: PROTECTION MEASURES

VENTILATION: Local exhaust or dilution ventilation is necessary in poorly ventilated areas.

GLOVES: Rubber gloves.

RESPIRATORY: Not usually required

EYE: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Body-covering clothing should be worn.

SECTION IX: PHYSICAL/CHEMICAL DATA

APPEARANCE AND ODOR: Clear colorless liquid with no fragrance added.

WATER SOLUBILITY, % BY WT: Complete

% VOLATILE BY WT.: ≈90

pH @ USE: Varies

pH(as supplied): 4.0-5.0

SECTION X: REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Strong Acids, oxidizers.

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Possibly oxides of carbon and other unidentified organic compounds.

SECTION XI: TOXICOLOGICAL INFORMATION OF INGREDIENTS

Calculated Oral LD50: 12526 mg/kg, Dermal LD50 > 2000mg/kg.

SECTION XII: ECOLOGICAL INFORMATION

Biodegradability:

COD: 135,600 mg/kg.

5-Day Biodegradability: 58%.

15-Day Biodegradability: 83%

28-Day Biodegradability: 100%

Anaerobic Biodegradability: 84.5% in 24 days.

Biodegradability tested using methods OECD 301D ASTM 1196-92 and OECD 202 PI.

Aquatic Toxicity:

Ceriodaphnia Dubia

48-h LC50: >100 mg/l

48-h NOEC (LC0): 100 mg/l

Test method OECD 202 Part I.

SECTION XIII: SPILL, LEAK AND DISPOSAL PROCEDURES

WASTE DISPOSAL: In accordance with Provincial and Federal regulations.

NEUTRALIZING CHEMICALS: Water.

SECTION XIV: TRANSPORT INFORMATION PER 49 CFR 172.101

GROUND TRANSPORTATION: None required.

AIR TRANSPORTATION: None required.

MARITIME TRANSPORTATION: None required.

SECTION XV: REGULATORY INFORMATION

Domestic:

TSCA: All ingredients are listed on the TSCA chemical substance inventory.

SARA Section 313 Ingredients: None.

California Prop 65 Ingredients: None.

Canadian:

WHMIS Hazard Class: Not controlled.

SECTION XVI: OTHER INFORMATION

One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

DISCLAIMER OF LIABILITY

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.