



A Division of Hunnisett Chemicals

200 Wicksteed Avenue, Toronto, Ontario M4G 2B6 (416) 421-5212 (800) 268-6093

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: Advanced Generation DFC Heavy Duty Cleaner

DATE REVIEWED: December 21, 2005

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
Soda Ash	497-19-8	NA	NA

SECTION II b: CARCINOGENIC INGREDIENTS AT >0.1%

None.

SECTION III: HAZARDS IDENTIFICATION

EYES: May cause eye irritation.
SKIN: None expected.
INHALATION: None expected.
INGESTION: May cause abdominal discomfort, nausea and diarrhea.

SECTION IV: FIRST AID PROCEDURES

EYES: Flush with water.
INGESTION: Rinse mouth with water.

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: Treat primary cause of fire
SPECIAL FIRE FIGHTING PROCEDURES: Treat primary cause of fire
UNUSUAL FIRE AND EXPLOSION HAZARD: None known.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Scoop up and place in trash.

SECTION VII: HANDLING AND STORAGE

No special precautions required.

SECTION VIII: PROTECTION MEASURES

VENTILATION: None required.

GLOVES: None required..

RESPIRATORY: Not usually required.

EYE: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: None required.

SECTION IX: PHYSICAL/CHEMICAL DATA

APPEARANCE AND ODOR: Clear liquid with no added fragrance.

WATER SOLUBILITY, % BY WT: Complete

SPECIFIC GRAVITY: 1.015g/cc

VOLATILE BY WT: 86%.

pH of concentrate: 10.5

SECTION X: REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Strong Acids

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Possibly oxides of carbon.

SECTION XI: TOXICOLOGICAL INFORMATION OF INGREDIENTS

Oral LD50 : > 2 gms/kg.

Inhalation LC50: 2.3 mg / l / 2 hours.

SECTION XII: ECOLOGICAL INFORMATION

Aquatic toxicity: EC50 = 4100 mg/l.

SECTION XIII: SPILL, LEAK AND DISPOSAL PROCEDURES

WASTE DISPOSAL: In accordance with Federal, state and local regulations.

NEUTRALIZING CHEMICALS: Water.

SECTION XIV: TRANSPORT INFORMATION PER 49 CFR 172.101

Not regulated.

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 product classification:

D2B.

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.