

# HEAVY DUTY DEGREASER

**DESCRIPTION:** A powerful degreasing concentrate containing no ammonia, caustics, or chlorinated solvents - formulated water dilutable as a true multipurpose cleaner effective for a multitude of jobs at different dilutions. HDD is used by garages, machine shops, restaurants, hotels, motels, schools, car detailers, manufacturing plants, maintenance departments, and printers.

## DIRECTIONS:

**HEAVY DUTY:** Dilute HDD up to 3:1 with water to clean deep fat fryers, vent hoods, printing presses, work benches, automotive parts, industrial machinery, engines, and showers. Excellent for use through pressure washers and steam cleaners or to strip wax at this dilution.

**MEDIUM DUTY:** Dilute HDD up to 10:1 with water to clean black heel marks, concrete, kitchen floors, ceramic tile, vinyl siding, walls, tires, aluminum & mag wheels, patio furniture and pre-spotting dirty clothes

**LIGHT DUTY:** Dilute HDD up to 20:1 with water to clean countertops, chrome, refrigerators, woodwork, light fixtures, car interiors, vinyl and other hard surfaces.

## SPECIFICATIONS:

|                    |   |
|--------------------|---|
| Appearance.....    | Purple Liquid   |
| Fragrance.....     | Bland   |
| pH.....            | 13.9  |
| Flash Point.....   | None  |
| Biodegradable..... | YES   |
| Packaging.....     | 4/1gal containers,5 gal. pails<br>Drums-special order |

**C.M. Tanner Grocery Company**  
421 Maple Street  
Carrollton, Ga. 30117  
(800)449-4444 \* (770)832-6381

HMIS Rating 1 Health 0 Flammability 0 Reactivity PAGE 1 of 2  
4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT,  
\*=CRONIC HEALTH HAZARD

**MATERIAL SAFETY DATA SHEET**  
**COMPLIES WITH USDL SAFETY AND HEALTH REGULATIONS, (29 CFR 1910.1200)**

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**SECTION I: MANUFACTURER**

**PRODUCT IDENTIFICATION**

C.M. TANNER GROCERY COMPANY  
421 MAPLE STREET  
CARROLLTON, GA. 30117  
INFORMATION: (770)832-6381  
24 HOUR TRANSPORTATION EMERGENCY NO.:

HEAVY DUTY DEGREASER  
PROD #378

DATE: 10/28/96

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**SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

| HAZARDOUS COMPONENTS<br>CHEMICAL IDENTITY;<br>COMMON NAMES | CAS# | ACGIH<br>PPM MG/M3 | TLV/OSHA PEL | %OPTIONAL |
|--|------|--------------------|--------------|-----------|
|--|------|--------------------|--------------|-----------|

|                     |           |       |       |  |
|---------------------|-----------|-------|-------|--|
| SODIUM METASILICATE | 6834-92-0 | 10PPM | 15PPM |  |
|---------------------|-----------|-------|-------|--|

|                 |          |       |       |  |
|-----------------|----------|-------|-------|--|
| 2-BUTOXYETHANOL | 111-76-2 | 25PPM | 25PPM |  |
|-----------------|----------|-------|-------|--|

|      |         |      |      |  |
|------|---------|------|------|--|
| EDTA | 64-02-8 | 2PPM | 2PPM |  |
|------|---------|------|------|--|

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**SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING RANGE: 212F SPECIFIC GRAVITY (WATER=1) 1.010  
VAPOR PRESSURE(mm hg): N/A MELTING POINT: N/A  
VAPOR DENSITY, (AIR=1): >1 EVAPORATION RATE (BUTYLACETATE=1): <1  
SOLUBILITY IN WATER: COMPLETE PERCENT VOLATILE: <20  
pH: 13.9  
APPEARANCE AND ODOR: PURPLE LIQUID, BLAND ODOR

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**SECTION IV: FIRE AND EXPLOSION DATA**

LEL:N/A UEL:N/A

FLASH POINT, (METHOD USED): N/A  
EXTINGUISHING MEDIA: CO2;WATER FOG;DRY CHEMICAL;CHEMICAL FOAM  
FIRE FIGHTING PROCEDURES: KEEP DRUMS COOL WITH WATER SPRAY TO PREVENT  
DRUM RUPTURE DUE TO STEAM BUILDUP;FLOOR WILL BECOME SLIPPERY IF MATERIAL  
IS RELEASED.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN

**SECTION V: REACTIVITY DATA**

STABILITY DATA: STABLE CONDITIONS TO AVOID:EXTREME TEMP.  
INCOMPATIBILITY (MATERIALS TO AVOID):AVOID STRONG ACIDS/STRONG OXIDIZERS  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: THERMAL DECOMPOSITION MAY YIELD  
CO2,CO.  
HAZARDOUS POLYMERIZATION:WILL NOT OCCUR

| ROUTES OF ENTRY-SIGNS AND SYMPTOMS  | EMERGENCY AND FIRST AID   |
|---|---|
| INHALATION:<br>BREATHING CONC. VAPORS MAY CAUSE<br>SLIGHT IRRITATION OF RESPIRATORY TRACT | REMOVE TO FRESH AIR; IF SYMPTOM<br>PERSIST, SEEK MEDICAL ATTENTION                                      |
| SKIN:<br>PROLONGED CONTACT MAY CAUSE<br>IRRITATION  | REMOVE CONTAMINATED CLOTHING; WASH<br>AREA WITH WATER; IF IRRITATION<br>PERSISTS SEEK MEDICAL ATTENTION |
| EYES:<br>CONTACT WITH EYES WILL CAUSE<br>IRRITATION                                       | FLUSH WITH WATER FOR 15MIN IF IRRITATION<br>PERSISTS, SEEK PHYSICIAN                                    |
| INGESTION:<br>MAY CAUSE GASTRIC DISTRESS, VOMITING<br>DIARRHEA                            | GIVE TWO GLASSES OF WATER; DO NOT<br>INDUCE VOMITING; SEEK MEDICAL<br>ATTENTION                         |

HEALTH HAZARDS (ACUTE AND CHRONIC):  
 ACUTE EFFECTS ARE POSSIBLE IRRITATION AND DISCOMFORT; CHRONIC EFFECTS  
 MAY BE SEVERE BURNS TO EYES, & DIGESTIVE TRACT  
 CARCINOGENICITY: NTP? NO      IARC MONOGRAPHS? NO      OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PREEXISTING  
 SKIN, EYE OR RESPIRATORY DISORDERS MAY BECOME AGGRAVATED THROUGH  
 PROLONGED EXPOSURE.

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**SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE**

SMALL SPILLS: WASH TO SANITARY SEWER WITH PLENTY OF WATER  
 LARGE SPILLS: CONFINE SPILL, SOAK UP WITH APPROVED ABSORBANT, SHOVEL  
 PRODUCT INTO APPROVED CONTAINER FOR DISPOSAL. WASH AREA WITH PLENTY OF  
 WATER.  
 WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND  
 FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINER CLOSED  
 WHEN NOT IN USE. PROTECT CONTAINERS FROM ABUSE AND EXTREME TEMPERATURES  
 OTHER PRECAUTIONS: KEEP THIS AND OTHER CHEMICALS OUT OF REACH OF  
 CHILDREN. AVOID BODY CONTACT WITH THIS PRODUCT AND ALL CHEMICALS.

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**SECTION VIII: CONTROL MEASURES**

RESPIRATOR PROTECTION: NONE REQUIRED  
 VENTILATION: LOCAL  
 PROTECTIVE GLOVES: NEOPRENE OR RUBBER WHEN HANDLING CONCENTRATE  
 EYE PROTECTION: GOGGLES W/SIDE SHIELDS CONCENTRATE CAN CAUSE IRRITATION  
 OTHER PROTECTIVE EQUIPMENT: SAFETY EYEBATH NEARBY  
 WORK/HYGIENIC PRACTICES: EXHIBIT NORMAL SAFE WORKPLACE HABITS  
 SPECIAL PRECAUTIONS / OTHER COMMENTS

The information contained herein is believed to be accurate but is not  
 warranted to be so. Users are advised to confirm in advance of need  
 that information is current, applicable and suited to the circumstances  
 of use. Vendor assumes no responsibility for injury to vendee or third  
 persons proximately caused by the material if reasonable safety  
 procedures are not adhered to as stipulated in the data sheet.  
 Furthermore, vendor assumes no responsibility for injury caused by  
 abnormal use of this material even if reasonable safety procedures are  
 followed.