

# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** GG-77 DEGREASER  
**CHEMICAL FAMILY:** DETERGENT  
**PHYSICAL HAZARD:** NONE  
**HEALTH HAZARD:** TARGET ORGANS: EYES, SKIN, RESPIRATORY SYSTEM,  
CENTRAL NERVOUS SYSTEM, AND LIVER.

**NUMBER:** DMN-303  
**REVISED:** 2/10/98

**HAZARD RATINGS:** **HEALTH:** 3  
**FLAMMABILITY:** 1  
**REACTIVITY:** 0

0 = Insignificant  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

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**D.O.T. HAZARD CLASS:** POTASSIUM HYDROXIDE, SOLUTION, 8, UN 1814, P.G. II

## SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	PERCENT	TWA	STEL	CEILING
1-BUTOXY-2-PROPANOL	5131-66-8	2 - 10%	-	-	-
1-(2-BUTOXY-1-METHYLETHOXY)- 2-PROPANOL	29911-28-2	2 - 10%	-	-	-
POTASSIUM HYDROXIDE	1310-58-3	2 - 10%	-	-	2mg/M <sup>3</sup>

THE BALANCE OF INGREDIENTS ARE NOT CONSIDERED HAZARDOUS UNDER CFR 29 1910.1200.

NONE OF THE INGREDIENTS ARE LISTED AS CARCINOGENS BY N.T.P., I.A.R.C. OR OSHA.

## SECTION 3 - PHYSICAL DATA

**BOILING POINT:** 215° F.  
**SPECIFIC GRAVITY:** 1.1  
**VAPOR PRESSURE:** NOT APPLICABLE  
**PERCENT VOLATILES:** 80%  
**VAPOR DENSITY:** NOT APPLICABLE  
**EVAPORATION RATE:** 1 (WATER= 1)  
**SOLUBILITY IN WATER:** COMPLETE  
**pH:** 13.5 ± 0.5  
**APPEARANCE AND ODOR:** YELLOW-GREEN LIQUID - PUNGENT  
ODOR.

## SECTION 4 - FIRE AND EXPLOSION DATA

**FLASH POINT:** OVER 150° F **ASTM D-56 CLOSED CUP**  
BUTOXYPROPANOL VAPORS MAY COLLECT IN AIR SPACE IN  
DRUMS OR TANKS. THESE VAPORS ARE COMBUSTIBLE WITH  
SPARKS OR FLAME AT FLASH POINT. THIS DOES NOT APPLY  
TO GALLON JUGS.  
**LOWER EXPLOSIVE LIMIT:** NOT APPLICABLE.  
**UPPER EXPLOSIVE LIMIT:** NOT APPLICABLE  
**EXTINGUISHING MEDIA:** NONE  
**SPECIAL FIRE FIGHTING PROCEDURES:** NONE  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE

## SECTION 5 - REACTIVITY DATA

**STABILITY:** STABLE **INCOMPATIBILITY:** NONE  
**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.

## SECTION 6 - HEALTH HAZARD DATA

**THRESHOLD LIMIT VALUE (TLV):** NONE KNOWN  
**PRIMARY ROUTES OF ENTRY:**  
 THROUGH SKIN  INHALATION  INGESTION

### EFFECTS OF OVEREXPOSURE:

**EYES** - CONCENTRATE CAN CAUSE EYE DAMAGE. DILUTIONS  
CAUSE IRRITATION & REDNESS  
**SKIN** - CONCENTRATE CAN CAUSE SKIN DAMAGE AND LOSS.  
PROLONGED CONTACT WITH CONCENTRATE MAY CAUSE  
SKIN DAMAGE WITHOUT THE USER BEING AWARE UNTIL  
SERIOUS DAMAGE HAS ALREADY BEEN DONE. DILUTIONS  
CAN CAUSE IRRITATION, REDDENING, DERMATITIS.  
**SWALLOWING** - MAY RESULT IN DAMAGE TO MUCOUS  
MEMBRANES.

## OTHER REGULATORY INFORMATION

THE COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OF CHEMICAL SUBSTANCES.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE. RECIPIENTS  
ARE ADVISED TO CONFIRM IN ADVANCE THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR  
CIRCUMSTANCES.

**BREATHING** - EXCESSIVE INHALATION OF VAPORS CAN CAUSE  
IRRITATION.

### FIRST AID PROCEDURES:

**EYE CONTACT:** IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF  
WATER FOR 15 MINUTES, LIFTING UPPER AND LOWER LIDS  
OCCASIONALLY. GET MEDICAL ATTENTION.

**SKIN CONTACT:** IMMEDIATELY FLUSH EXPOSED AREA WITH  
WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET  
MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING  
AND LAUNDRY BEFORE RE-USE.

**INGESTION:** DO NOT INDUCE VOMITING. DILUTE BY GIVING A  
GLASS OF WATER OR MILK TO DRINK. NEVER GIVE  
ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
TREAT FOR SHOCK BY KEEPING WARM AND QUIET. GET  
MEDICAL ATTENTION IMMEDIATELY.

**INHALATION:** IF AFFECTED, REMOVE PERSON TO FRESH AIR. IF  
IRRITATION PERSISTS GET MEDICAL ATTENTION.

## SECTION 7 - SPECIAL PRECAUTIONS

### SPILL/LEAK PROCEDURES

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND MAY BE  
HAZARDOUS. DO NOT CUT OR WELD ON OR AROUND  
DRUMS. OBSERVE ALL PRECAUTIONS GIVEN IN THIS DATA  
SHEET.

### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

**SMALL SPILL:** A GALLON OR LESS MAY BE WASHED TO SEWER  
WITH A LARGE AMOUNT OF WATER.

**LARGE SPILL:** DIKE TO PREVENT ENTRY INTO SEWER. PUMP OR  
COLLECT MATERIAL INTO CLEAN DRUMS.

**WASTE DISPOSAL METHOD:** NEUTRALIZE TO WITHIN pH LIMITS OF  
YOUR WASTE WATER SYSTEM AND THEN DISPOSE OF IN  
SEWER. COMPLY WITH ALL FEDERAL, STATE AND LOCAL  
REGULATIONS.

## SECTION 8 - PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** NONE UNDER EXPECTED USE  
CONDITIONS.

**VENTILATION:** GOOD ROOM VENTILATION.

**PROTECTIVE GLOVES:** WEAR RESISTANT GLOVES SUCH AS:  
NEOPRENE.

**EYE PROTECTION:** SAFETY GLASSES WITH SIDE SHIELDS.

**OTHER PROTECTIVE EQUIPMENT:** IMPERVIOUS CLOTHING. AN  
EYEWASH STATION SHOULD BE LOCATED NEARBY AND  
READY FOR USE.