

## Specifications: Twin Chem High Power Degreaser 5 gallon pails

Appearance:	Violet liquid
Odor:	Lemon Odor
Boiling Point:	217°F
Vapor Density (Air =1):	3.21
pH:	11.4-12.4
Flash Point:	None
DOT Shipping Class:	55
Shipping Weight:	5 gal. pail 44 lbs. 55 gal. drum 485 lbs.
Specific Gravity:	1.1
Solubility:	Complete
Reactivity:	Stable
HMS Rating:	2-0-1
Shelf Life:	None

DOT Shipping Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (CONTAINS SODIUM HYDROXIDE) 8, UN 3266, PG II

DOT Hazard label: Corrosive

**Twin-Chemicals**  
Atlanta, Georgia

(800) 442-4958  
(770) 924-6147 fax

[www.twin-chemicals.com](http://www.twin-chemicals.com)



**Twin Chem High Power Degreaser is an excellent heavy duty degreaser. With the power of sodium hydroxide, it can be used on a variety of surfaces such as vehicles, floors, walls, fabrics, machinery, exterior surfaces and more. It can be applied to the surface with a mop, spray bottle, sponge or just pour it onto the floor. Heavily soiled spots may need a clean water rinse.**

**Directions:**

**Floors and Walls:** Dilute 1-2 ounces of Twin Chem High Powered Degreaser per gallon of water for light cleaning. Apply with mop or rag. Agitate area and rinse with clean water.

**General Cleaning:** Mix equal parts in a spray bottle for general cleaning. Apply and wipe clean. Needs no rinsing.

**Laundry Spotting:** Test for colorfastness in an inconspicuous area. Apply undiluted to the stain and allow Twin Chem High Power Degreaser to soak into it. Wash the item as normal.

**Vehicle Washing:** Mix equal parts of Twin Chem High Power Degreaser with water for use as a white wall cleaner and degreaser. Spray onto surface. Agitate with a brush. and rinse with clean water. Do not allow Twin Chem High Power Degreaser to dry onto surfaces.



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**MATERIAL SAFETY DATA SHEET  
TWIN-CHEMICALS HIGH POWER DEGREASER**

**TWIN-CHEMICALS  
HIGH POWER DEGREASE**

HAZARD RATINGS NFPA HMIS DATA		
HEALTH	<b>2</b>	0= MINIMAL 1= SLIGHT
FIRE	<b>0</b>	2=MODERATE 3=HIGH
REACTIVITY	<b>1</b>	4=EXTREME

SECTION I

<b>MANUFACTURED FOR:</b> <b>ADDRESS:</b>  <b>EMERGENCY PHONE NUMBER:</b> <b>PHONE NUMBER FOR INFORMATION:</b> <b>DATE REVISED:</b> <b>NAME OF PREPARER:</b>	<b>TWIN-CHEM, INC.</b> 6175 HICKORY FLAT HWY., Suite 110-344 CANTON, GEORGIA 30115 (800) 552-3787 (CERTS - CHEMICAL EMERGENCIES ONLY) (800) 442-4958 October 27, 2011 CLIFFORD M. CANTRELL
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SECTION II HAZARDOUS INGREDIENTS/INFORMATION

INGREDIENT	CAS NO.	OSHA PEL	ACIGH TLV	OTHER SKIN	% OR RNG	S K
SODIUM HYDROXIDE	1310-73-2	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	< 5	
2-BUTOXYETHANOL	111-76-2	25 ppm	25 ppm	50 ppm	< 7	*

**NOTE:** AN '\*' UNDER 'SK' (SKIN) INDICATES THAT OSHA REQUIRES SKIN PROTECTION TO PREVENT OR REDUCE EXPOSURE TO THIS INGREDIENT. 2-BUTOXYETHANOL IS A SARA TITLE III, SECTION 313 INGREDIENT SUBJECT TO REPORTING AS GLYCOL ETHER.

EPA HAZARD CATEGORIES  
ACUTE HEALTH - CHRONIC HEALTH

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	217°F	Specific Gravity (H2O=1)	1.1
Vapor Pressure (mm Hg)	17	Melting Point	< 30°F
Vapor Density (Air=1)	3.21	Evaporation Rate (Water=1)	= 1.0
Solubility in Water:	COMPLETE		
Appearance and odor:	CLEAR, VIOLET LIQUID WITH LEMON ODOR,		

SECTION IV- FIRE AND EXPLOSION SOLVENTD DATA

Flash Point (Method Used):	NONE (TCC)	Flammable Limits: N/A
Extinguishing Media:	APPROPRIATE TO SURROUNDING FIRE.	
Special Fire Fighting Procedures:	FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR TO PROTECT FROM POTENTIALLY CORROSIVE FUMES UNDER FIRE CONDITIONS..	
Unusual Fire and Explosion Hazards:	SOLUTIONS ARE HIGHLY ALKALINE AND MAY BURN SKIN.	

SECTION V- REACTIVITY DATA

Stability:	Stable
Incompatibility (Materials to Avoid):	Do not mix with any other material.
Hazardous Decomposition or Byproducts:	Heat, carbon dioxide. various unidentified organic compounds.
Hazardous Polymerization:	Will Not Occur

# MATERIAL SAFETY DATA SHEET

## TWIN-CHEMICALS HIGH POWER DEGREASER

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### SECTION VI- HEALTH HAZARD DATA

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Route(s) of Entry: Inhalation? YES Skin? YES Ingestion? YES Eyes? YES

Health Hazards (Acute and Chronic): Corrosive to eyes. May be absorbed through skin.

Carcinogenicity: NTP? NO IARC Monographs? NO OSHA Regulated? NO

Signs and Symptoms of Exposure:

**INHALATION:** No effect expected under normal and intended use.

**INGESTION:** Corrosive. May cause burns to mouth and throat, gastric distress, diarrhea, vomiting, drowsiness, dizziness, fatigue, and loss of Coordination.

**SKIN CONTACT:** Corrosive. Skin contact may cause chemical burns, redness, burning sensation, drying and cracking of skin and dermatitis.

**EYE CONTACT:** Direct eye contact with liquid or mists may cause chemical burns, corneal damage, irritation, burning sensation, tearing and redness.

Medical Conditions Generally Aggravated by Exposure: None known.

Emergency and First Aid Procedures:

**INGESTION:** Immediately drink large quantities of water, citrus juice, milk or other nonalcoholic liquids. Do not induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.

**EYE CONTACT:** Immediately flush eyes in clear running water for at least 15 minutes lifting upper and lower lids periodically. GET MEDICAL ATTENTION.

**SKIN CONTACT:** Remove contaminated clothing and shoes. Wash skin with soap and water for 15 minutes. If irritation or burns results and persists, GET MEDICAL ATTENTION.

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### SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE

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Steps to Be Taken in Case Material is Released or Spilled:

SOAK UP WITH INERT ABSORBENT MATERIAL SUCH AS SAND, EARTH OR SAWDUST AND TRANSFER TO SEALABLE CONTAINER FOR DISPOSAL ACCORDING TO STATE, LOCAL AND FEDERAL REGULATIONS..

Waste Disposal Method:

DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Container Disposal: Triple rinse container. Then puncture and consign to sanitary land fill. See container label for other storage and disposal methods.

Precautions to Be Taken in Handling and Storing: Keep container closed when not in use.

Other Precautions: KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN.

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### SECTION VIII- Control Measures

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Respiratory Protection (Specify Type): WHEN AIR CONCENTRATIONS EXCEED LIMITS FROM SECTION II, USE NIOSH APPROVED DUST/MIST MASK.

Ventilation: Follow normal ventilation practices and local codes regarding ventilation.

Protective Gloves: Rubber or neoprene recommended when using any chemical.

Eye Protection: Chemical goggles.

Other Protective Clothing or Equipment: As required to reduce or prevent exposure.

Work/Hygienic Practices: Use impervious gloves to prevent/reduce skin contact. Wash product from skin and clothing Use good housekeeping practices.

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### SECTION IX - Additional Information

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#### ENVIRONMENTAL

BIODEGRADABILITY: BIODEGRADABLE.

WASTE DISPOSAL METHODS: DISPOSE OF IN AN AUTHORIZED WASTE FACILITY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

#### ADDITIONAL INFORMATION

EMPTY CONTAINER HANDLING: WARNING! EMPTIED CONTAINER RETAINS PRODUCT RESIDUE. OBSERVE ALL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED.KEEP EMPTY CONTAINER CLOSED TIGHTLY.

# MATERIAL SAFETY DATA SHEET

## TWIN-CHEMICALS HIGH POWER DEGREASER

### SARA TITLE III REPORTING REQUIREMENTS

SECTION 302- EXTREMELY HAZARDOUS SUBSTANCES	REPORTING NOT REQUIRED
SECTION 304- HAZARDOUS RELEASES	REPORTING NOT REQUIRED
SECTION 311- COMMUNITY RIGHT TO KNOW (R-T-K)	REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.
SECTION 312- R-T-K INVENTORY DATA	REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.
SECTION 313- EMISSIONS AND RELEASE	REPORTING MAY BE REQUIRED FOR USERS WITHIN THE MANUFACTURING SECTOR. (S.I.C. 20-39)
CERCLA	SAME AS SECTION 304

### REFERENCES

TOXIC SUBSTANCE CONTROL ACT LIST (TSCA) - INGREDIENTS LISTED.

PERMISSIBLE EXPOSURE REFERENCES:

REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES

TITLE 29 CODE OF FEDERAL REGULATIONS

NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS

INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS

REGULATORY STANDARDS:

DOT TITLE 49 CODE OF FEDERAL REGULATIONS 172.101

SARA TITLE III

NUCLEAR REGULATORY AGENCY

DOT SHIPPING NAME: CORROSIVE LIQUID, BASIC, INORGANIC N.O.S. (CONTAINS SODIUM HYDROXIDE), 8, UN3266 ,  
PG II

DOT HAZARD LABEL: CORROSIVE

THIS DOCUMENT COMPLIES WITH OSHA FORM 174 AS REQUIRED UNDER 29 CFR 1910.1200.

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.