

Date Prepared: 11/13/03  
Supersedes: 07/22/03  
Product Name: 1202 Heavy Duty Cleaner Degreaser

# ChemMasters

## Material Safety Data Sheet

### 1. Chemical Product and Company Information

**Product Name:** 1202 HEAVY DUTY CLEANER DEGREASER

**ChemMasters**  
300 Edwards Street  
Madison, Ohio 44057  
440-428-2105

In Case of Emergency Contact:  
CHEMTREC 800/424-9300

### 2. Composition / Information on Ingredients

Hazardous Components	CAS #	Exposure Limits			% by Wt
		OSHA(PEL/TWA)	ACGIH(TLV/TWA)	OTHER	
Water	7732-18-5	NA	NA	---	78%
Potassium Hydroxide	1310-58-3	2mg/M <sup>3</sup> , Ceiling	2mg/M <sup>3</sup> , Ceiling	---	8%
2-Butoxyethanol	111-76-2	25ppm	25ppm	---	3%
Nonylphenol Ethoxylate	127087-87-0	NE	NE	---	2%
Sodium Carbonate	497-19-8	NE	NE	---	2%

### 3. Hazards Identification

#### CAUTION

**Causes eye, skin and lung irritation**

**Harmful if inhaled**

**Harmful if swallowed**

#### Potential Health Hazards - Acute

**Eye:** Causes eye irritation. Direct contact with the liquid or exposure to its vapors may cause burning, tearing and redness.

**Skin:** Causes irritation. Prolonged or repeated exposure may cause redness and burning, drying and cracking of the skin and dermatitis. Persons with preexisting skin disorders may be more susceptible to the effects of this material.

**Inhalation:** Excessive concentrations of vapors or mists may cause irritation of the nose and throat and signs of nervous system depression. Persons with impaired lung function or asthma like conditions may experience additional breathing difficulties due to the irritating properties of this material.

**Ingestion:** Liquid is moderately toxic and may be harmful if swallowed; may produce CNS depression. May result in vomiting. Aspiration of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonia.

#### Potential Health Effects - Chronic

Kidney, lung and liver are probable target organs. See Section 11 for further information.

**Carcinogenicity:**  
NO

**NTP**  
NO

**IARC Monographs**  
NO

**OSHA Regulated**

### 4. First Aid Measures

**Eye:** Immediately flush with plenty of clean water.

**Skin:** Remove contaminated clothing. Clean affected area(s) thoroughly with soap and water.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Ingestion:** Seek medical attention! Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

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## 5. Fire Fighting Measures

**Flash Point** (method used): NOT APPLICABLE  
**Flammable Limits** (% volume in air): **Lower** = NOT APPLICABLE      **Upper** = NOT APPLICABLE  
**Auto Ignition Temperature**: No data available  
**Extinguishing Media**: NOT APPLICABLE  
**Hazard Combustion Products**: NOT APPLICABLE  
**Fire Fighting Instructions**: NOT APPLICABLE

## 6. Accidental Release Measures

**Spill**: Absorb with inert material, then dispose of according to local EPA direction.

## 7. Handling and Storage

**Handling**: Use in well ventilated area. Provide local exhaust to keep TLV below acceptable limit.  
**Storage**: Store containers tightly closed with adequate ventilation in a cool, dry area.

## 8. Exposure Controls / Personal Protection

**Exposure Controls**: Mechanical and local exhaust should be used for indoor use.  
**Personal Protection**: Protective clothing, goggles, rubber gloves and a vapor respirator when TLV is exceeded.

## 9. Physical and Chemical Properties

**Appearance**: Thin Red liquid of low viscosity with characteristic odor  
**Odor**: Aromatic glycol  
**Boiling Point**: 215°F/102°C  
**Melting Point**: Not applicable  
**Vapor Pressure** (mm/Hg): 20mm Hg@68°F/20°C  
**Vapor Density** (Air = 1): >1  
**Solubility in Water**: 100%  
**Specific Gravity** (H<sub>2</sub>O = 1): 1.07  
**Evaporation Rate** (n-Butyl Acetate = 1): <1

## 10. Stability and Reactivity

**Chemical Stability**: Stable  
**Conditions to Avoid**: Unventilated areas  
**Incompatibility** (materials to avoid): Strong acids  
**Hazardous Decomposition or By-products**: Alkaline vapors in fire  
**Hazardous Polymerization**: Will not occur

## 11. Toxicological Information

Components	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
2-Butoxyethanol/111-76-2	1480 mg/kg	490 mg/kg	No Data Available

## 12. Ecological Information

No data available

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### 13. Disposal Considerations

Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area.

This material does not meet RCRA characteristic definition of ignitability, corrosivity or reactivity and is not listed in 40 CFR 261.33. The toxicity characteristic (TC) has not been evaluated by the Toxicity Characteristic Leaching procedure (TCLP).

### 14. Transportation Information

**For U S National Ground & Air Shipments:**

**Shipping Description:** Compounds, Cleaning Liquid (Potassium Hydroxide), 8, NA1760, III

**For International Ground & Air Shipments:**

**Shipping Description:** Potassium Hydroxide, Solution, 8, UN1814, III

**Emergency Response Guide Number:** 154

**Hazard Class:** Corrosive

### 15. Regulatory Information

**OSHA:** This material is non-hazardous by definition of OSHA Hazardous Communications Standard

**CERCLA Reportable Quantity:** NOT APPLICABLE

**SARA Title III:**

**Section 311/312 hazard categories:** Glycol Ethers

**Section 313 reportable ingredients:**

Components	CAS #	Maximum %
Glycol Ethers	Chemical Category	3%

### 16. Other Information

**MSDS Status:** Revised Section 14, Transportation  
Industrial Abbreviation Legend on page 4 of this MSDS.

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### Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists	mg/m <sup>3</sup>	milligrams per cubic meter
CAA	Clean Air Act (EPA)	NIOSH	National Institute for Occupational Safety and Health
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA)	NTP	National Toxicology Program
CNS	Central Nervous System	OSHA	Occupational Safety and Health Administration
CWA	Clean Water Act (EPA)	PEL	Permissible Exposure Limit
DOT	Department of Transportation	ppm	parts per million
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act (EPA)
g/kg	grams per kilogram	SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
IARC	Internal Agency for Research on Cancer	STEL	Short-Term Exposure Limit, ACGIH terminology
LC50	Lethal Concentration in which 50% of the test animals are expected to die	TLV	Threshold Limit Value
LD50	Lethal Dose in which 50% of the test animals are expected to die	TWA	Time-Weighted Average

### **THIS PRODUCT IS FORMULATED AND LABELED FOR INDUSTRIAL AND COMMERCIAL APPLICATION ONLY**

The information contained herein is given in good faith and based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. The Spray-Cure Company assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.