

# MSDS Document

## Product Open and Shut

### 1. Chemical Product and Company Identification

**Trade Name of this Product** Open and Shut

**MSDS ID** DA6151

**Manufacturer**

Drummond American  
600 Corporate Woods Parkway  
Vernon Hills, IL 60061

**Contact Name**

Corporate Compliance Team

**Phone Number**

(847) 913-9313

**Emergency Phone**

(888) 426-4851

**Revision Date** 12/09/2002

Health:	2
Fire:	2
Reactivity:	0
Specific	<input type="checkbox"/>

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
TETRACHLOROETHYLENE	127-18-4	68.1 %	25 ppm	25 ppm	100 ppm
PETROLEUM OIL	64742-52-5	15 %	5 mg/m3 (mist)	5 mg/m3 (mist)	10 mg/m3
PETROLEUM DISTILLATE	64742-48-9	5 %	100	100	N/D
CARBON DIOXIDE	124-38-9	3 %	5000 ppm	5000 ppm	30000 ppm

### 3. Hazard Identification

**Eyes**

May cause slight irritation.

**Inhalation**

Can cause severe central nervous system depression (including unconsciousness). Causes respiratory tract irritation.

**Medical Conditions Aggravated By Exposure**

Heart rhythm disorders. Increased sensitivity to Epinephrine.

**Route Of Entry**

Inhalation Skin

**Skin**

May cause skin irritation.

**Target Organ(s) Affected**

Overexposure causes kidney and liver damage.

#### 4. First Aid Information

##### **Skin**

Wash with soap and water. Get medical attention if irritation develops or persists.

##### **Eye**

Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

##### **Ingestion**

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

##### **Inhalation**

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

#### 5. Fire Fighting Measures

<b>Flash Point</b>	120 F
<b>FP Method</b>	Tag Closed Cup
<b>LEL</b>	0.7
<b>UEL</b>	52

##### **Unusual Fire And Explosion Hazards**

Keep containers from heat and open flame. Closed containers may explode when exposed to extreme heat. Toxic gases and vapors (such as hydrogen chloride, phosgene, and carbon monoxide) may be released in a fire. Symptoms may not be readily apparent; obtain medical attention.

##### **Special Firefighting Procedures**

Water spray may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Wear goggles and self-contained breathing apparatus.

##### **Extinguishing Media**

Dry Chemical Carbon Dioxide Foam Alcohol Foam Water Fog

##### **Aerosol Product**

Treat as cylinder of compressed gas.

##### **FLAMMABILITY CLASSIFICATION**

OSHA CLASS N/A

DOT Class N/A

#### 6. Accidental Release Measures

##### **Steps to be taken in case material s released or spilled**

Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.

#### 7. Handling and Storage

##### **Handling And Storage**

Store and use in cool, dry, well-ventilated areas. Avoid contact with hot metal surfaces. Keep away from excessive heat or open flame. Contents under pressure. Do not puncture or incinerate container or store above 120 F.

##### **Hygienic Practices**

Wash hands before eating or using the washroom. Smoke in SMOKING AREAS ONLY.

#### 8. Exposure Controls and Personal Protection

##### **Other Protective Equipment**

Solvent resistant apron. An eyewash station and safety shower should be available for emergency use.

**Eye Protection**

Wear safety glasses with splash guards or full face shield.

**Protective Gloves**

Solvent resistant gloves are recommended to prevent prolonged or repeated skin contact.

**Ventilation**

Sufficient to prevent inhalation of solvent vapors and to keep PEL/TLV below acceptable limits.

**Respiratory Protection**

In restricted areas, use approved particle/vapor chemical/mechanical filters. In confined areas, use approved air line respirator or hood. Use a self-contained breathing apparatus for vapor concentrations above PEL/TLV limits.

**Ventilation**

Provide general dilution and/or local exhaust ventilation in volume or pattern to keep air contamination below exposure limits.

## 9. Physical and Chemical Properties

Physical State	Liquid
Specific Gravity	1.21
Color/Appearance	Colorless
Odor	Mildly Sweet
pH	N/A
Boiling/Cond. Point	189 F - 500 F
Melting/Freezing Point	N/A
Solubility	Nil
Evaporation Rate	Slower than ether
VOC %	N/A
Percent Volatile	N/A
Molecular Formula	N/A
Viscosity	N/A
Vapor Density	Heavier than air
Vapor Pressure	NA

## 10. Stability and Reactivity

**Stability**

Stable

**Hazardous Polymerization**

Will not occur

**Incompatibility**

None known.

**Hazardous Decomposition Products**

May produce fumes when heated to decomposition. Fumes may contain carbon monoxide, chlorine, and hydrogen chloride.

**Conditions to Avoid**

Application to hot surfaces.

## 11. Toxicological Information

**Toxicological Properties**

None known.

## 12. Ecological Information

**Ecological Information**

None Known.

## 13. Disposal Considerations

**Waste Disposal Method**

Dispose of in accordance with local, state, and federal regulations. Do not puncture or incinerate container.

## 14. Transportation Information

### Transportation

No data available.

### D.O.T. Emergency Response Information

Not Applicable.

### U.N. CLASSIFICATION

PER DOT ORM-D

PER IMCO N/A

## 15. Regulatory Information

### Regulatory

None Known.

### CPR Certification

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations.

## 16. Other Information

### Disclaimer

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.