

# Material Safety Data Sheet

Product Name: **12452Z - LIQUID CHROME CLEAR** reviewed: Oct 1,  
2008  
Page: 1/5

## 1. Identification of the Preparation and Company:

**Product code:** 12452Z  
**Product name:** LIQUID CHROME CLEAR

**Manufactured for:** The Easthill Group dba/ The Eastwood Company  
263 Shoemaker Road  
Pottstown, PA 19464  
USA & Candada: 800-345-1178  
Outside USA: (610) 323-2200  
Emergency Contact: Chem-Trec 800-424-9300

## 2. Composition/Information of the Preparation:

**Chemical Characterization:** organic solvent and polymer resin solution.

### Hazardous components with the meaning of EEC directive 67/548 and corresponding classification

Cas-No	Name	Concentration w%	Symbols	R-phrases
108-65-6	Propylene Glycol Mono-methyl Ether Acetate	0-2	Xi	10,36
123-86-4	1-Acetoxybutane	20-30	Xi	10
67-64-1	Di-methyl Ketone	10-20	*	10
109-60-4	N-Propyl Acetate	10-20	Xi	-
123-42-2	4-Hydroxy-4-methyl-2-Pentanone	0-2	-	-
590-01-2	N-butyl propionate	20-30	-	-
67-63-0	Isopropyl alcohol	30-40	*	-
98-56-6	Parachlorobenzotrifluoride (Pcbtf)	20-30	-	-

See full text of R-phrases under section 16

## 3. Hazards Identification of the Preparation:

### Hazards identification:

**Xi: Irritant**

### Particular information pertaining to risk for human and environment:

R10: Flammable

>21 This product easily catches fire if it's exposed to an ignition source.

Further information see under Chapter 15.

#### **4. First Aid Measures:**

**General:**

Immediately remove all contaminated clothing. In all causes of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Skin contact:**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleaner. DO NOT use solvents or thinners!

**Eye contact:**

Irrigate copiously with clean fresh water for at least 10 minutes holding the eyelids open. Seek medical advice.

**Swallowing:**

If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT INDUCE VOMITING.

**Inhalation:**

Move to fresh air and keep patient warm and at rest. If breathing stops administer artificial respiration. If unconscious, place in recovery position and seek medical advice. Give nothing by mouth.

#### **5. Fire-fighting measures:**

**Extinguishing media-suitable:**

In case of fire, use solvent resistant foam, CO<sub>2</sub>, chemical powders or dry extinguishers.

**Extinguishing media-NOT suitable:**

Waterjet.

**Special risk posed by the substance, actual preparation, combustion products or gases discharged:**

Fire will produce dense black smoke. Exposure to decomposition products or smoke may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from the fire fighting to enter drains or water courses.

**Protective equipment:**

When extinguishing fires, use a breathing apparatus with an independent source of air.

#### **6. Accidental release measures:**

**Personal precautions:**

Exclude sources of ignition and ventilate the area. Avoid breathing vapours.

Refer to protective measures listed in sections 7 and 8

**Environmental precautions:**

Do not empty into drains. If the product contaminates lakes, rivers or seaways, inform appropriate authorities in accordance with local regulations.

**Methods for cleaning up/collections:**

Contain and collect spillage with non-combustible absorbent materials, e.g. disposal according to local regulations. Clean preferably with detergent. Avoid use of solvents.

#### **7. Handling and storage:**

##### **HANDLING**

**Information for safe handling:**

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electric equipment should be protected to the appropriate standard. Preparation may charge electrostatically. Always use grounding leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Floors should be of the conduction type. Isolate from sources of heat, sparks, and open flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid contact and inhalation of the vapors and spray mist. Do not eat, drink, or smoke while working. Keep containers closed tightly. Never use pressure to empty (container is not a pressure vessel). Comply with the health and safety at work laws.

Refer to protective measures listed in section 8.

**Information about protection against explosion and fire:**

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor higher than the occupational exposure minimum.

**STORAGE**

**Storeroom and container requirements:**

Although the storage and use of this product is not subject to specific statutory requirements, observation of the principles of the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations are appropriate. It will be seen as good industrial practice in meeting the general duties of the Health and Safety at Work Act.

**Further storage information:**

Observe label precaution: Store between 5°C and 25°C in dry, well-ventilated place away from source of ignition. Keep away from oxidizing agents, strongly alkaline, and strongly acidic materials. Do not smoke. Prevent unauthorized access. Containers which are opened must carefully be resealed and kept upright to prevent leakage.

**8. Exposure controls/Personal protection:**

**Engineering measures:**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good extraction. If ventilation is not sufficient to maintain concentrations of parts and solvent vapor below OEL (Occupational Exposure Limit), suitable respiratory protection must be worn.

**Occupational exposure limits:**

<b>Cas-No</b>	<b>Name</b>	<b>MAK ppm</b>	<b>MAK mg/m<sup>3</sup></b>
108-65-6	Propylene Glycol Monomethyl Ether Acetate	50	275
123-86-4	1-acetoxybutane	300	785
67-64-1	Dimethyl Ketone	250	593
109-60-4	N-propyl Acetate	200	840
123-42-2	4-Hydroxy-4-methyl-2-Pentanone	50	240
590-01-2	N-butyl propionate	250	-
67-63-0	Isopropyl alcohol	400	-
98-56-6	Parachlorobenzotrifluoride (Pcbtf)	500	-

**General Personal Protection:**

**Respiratory protection:**

Certified respiration required.

**Hand protection:**

For prolonged or repeated contact use of barrier creams may help to protect the exposed areas of skin. They should not however be applied once exposure has occurred.

**Eye protection:**

Use safety eyewear designed to protect against splash of liquids

**Skin protection:**

Personal should wear antistatic clothing made of nature fiber or high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

**9. Physical and chemical properties:**

**Form:** Liquid

**Color:** clear

**Odor:** strong fruity odor,distinctive

	Value	Unit	Method
<b>Flash Point</b>	>21	°C	Literature
Viscosity at 20°C	12	sec	Din53211
Density at 20°C	0.88	g/ml	Din51757-c
Lower explosion limit	0.8	vol-%	Theoretic
Upper explosion limit	12	vol-%	Literature
Solubility in water	Insoluble	-	Literature
Melting Point	*	°C	Literature
Boiling Point	*	°C	Literature
Vapor pressure at 20°C	12.5	hap	Literature
PH-value	-	-	Literature
Ignition temperature	230-540	°C	Literature
Solids content value	17	%	Theoretic

## 10. Stability and reactivity

### **Conditions to avoid:**

Stabile under recommended storage and handling conditions (See Section 7)

### **Dangerous decomposition:**

None, under recommended use. When exposed to high temperatures, may produce hazardous decomposition products, such as carbon oxides, smoke, nitrogen oxides.

### **Materials to avoid:**

Keep away from oxidizing agents, strong alkaline, and strong acid materials in order to avoid exothermic reactions.

### **Thermal decomposition:**

None, under recommended use.

### **Dangerous reaction:**

None, under recommended use.

## 11. Toxicological Information:

### **General:**

There is no data available on the preparation itself. Exposure to component and solvent vapors concentration in excess of the stated occupational exposure limit may result in adverse health affect such as mucous membrane and respiratory system irritation and adverse affect on kidney, liver, and central nervous system.

#### Symptoms and Signs:

Headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of the natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in eyes may cause irritation and reversible damage.

## 12. Ecological Information:

### **Water danger class**

Do not empty into drains or water. Adopt in working practices so that the product is not released into the environment.

## 13. Disposal considerations:

### **Product recommendation:**

Do not allow into drains or waterways. Empty containers are to be disposed according to the local and national official regulations currently being enforced.

### **Disposal class:**

AS5512

Used paint, used colors without chemical reaction

**Contaminated packaging recommendation:**

Contaminated packaging must be emptied of all residues and following appropriate cleaning, may be sent to a recycling plant. Unclean packaging must be disposed of in the same manner as the medium.

**14. Transport information:**

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

**ADR/RID-GGV**

Class: 3  
Transport document: flammable liquid n.o.s.  
1430  
chiffre: 31c

**IMDG/GGVSe**

Class: 3.2  
UN nr: 1263  
EMS nr: \*  
M.F.A.G.: \*  
Marine pollutant: no  
Proper shipping name: flammable liquid n.o.s.

**ICAO/IATA**

Class: 3  
Packaging group: II

**15. Regulatory information (88/379/EEC):**

The requirements of the Classification Packaging and Labeling of Dangerous Substances Regulations. The product is labeled as follows:

**A. Danger Classification**

XI: Irritant

**B. Contains:****1) R-Phrases:**

R10: Flammable

**2) S-Phrases:**

S23: Do not breathe gas, vapor, spray, fumes.

S38: In case of insufficient ventilation, wear suitable carbon filtered respiratory equipment (Niosh)

S51: Use only in well-ventilated areas.

S21: Do not smoke while using.

S33: Take precautionary measures against static discharges

**16. Other information:**

Full text of R-phrases with N° appearing in section 2

**1) R-phrases:**

R10: Flammable

R36: Irritating to eyes

**2) S-Phrases:**

S2: Keep out of reach of children

S25: Avoid contact with eyes

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws. As the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first referring to the company mentioned in section 1 and obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and regulations. The information in this MSDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the product properties. The information in this Safety Data Sheet is required pursuant to Dangerous Substances Regulation 1984.