



SAFETY DATA SHEET
according to Commission Directive 2001/58/EC

Print date: 04/28/2006

Version: 2

Revision date: 04/28/2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Product trade name: **REMBRANDT CLEAR POLYMER**

Internal code: 45C-1

Use of the substance/preparation

Application: Coating fluid

Company/undertaking identification

Supplier: Epmar Corporation
13210 E. Barton Circle
Santa Fe Springs, CA 90605-3254
Phone: 562-946-8781
FAX: 562-944-9958
E-MAIL: info@epmarcorp.com
E-MAIL: she@quakerchem.com
(For Health and Safety Questions)

Emergency telephone number: * 24 HOUR TRANSPORTATION:
**CHEMTREC: 1-800-424-9300
703-527-3887 (Call collect outside of US)
* 24 HOUR EMERGENCY HEALTH & SAFETY:
**QUAKER CHEMICAL CORPORATION: (800) 523-7010(Within US only)
Outside of US call (703) 527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the substance or preparation:

Product is a mixture of:
water, polymer, and additives.

HAZARDOUS COMPONENTS

Components	CAS No.	EC No.	Weight %	Classification
Ethylene glycol monobutyl ether	111-76-2	203-905-0	1 - 5%	Xi;R36/38 Xn;R20/21/22

3. HAZARDS IDENTIFICATION

Indication of danger:

None Not dangerous goods

Most important hazards:

4. FIRST AID MEASURES

General advice:	Wash off with soap and water. If symptoms persist, call a physician.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin contact:	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. If a person feels unwell or symptoms of skin irritation appear, consult a physician..
Ingestion:	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician immediately.
Inhalation:	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
Notes to physician:	Treat symptomatically.
Medical condition aggravated by exposure:	Dermatitis.

5. FIRE-FIGHTING MEASURES

Flash point (°C):	NA
Flash point method:	-
Explosion limits:	
- lower:	Not applicable

- upper:	Not applicable
Suitable extinguishing media:	Use dry chemical, CO2, water spray or "alcohol" foam
Extinguishing media which must not be used for safety reasons:	High volume water jet
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:	Carbon monoxide (CO)
Specific hazards:	No information available.
Unusual hazards:	None known
Special protective equipment for fire-fighters:	Standard procedure for chemical fires.
Specific methods:	No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions:	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling

Technical measures/precautions:	Provide sufficient air exchange and/or exhaust in work rooms.
Safe handling advice:	In case of insufficient ventilation, wear suitable respiratory equipment.

Storage

Technical measures/storage conditions:	Store at room temperature in the original container
Incompatible products:	strong oxidizing agents
Safe storage temperature:	40-100 ° F
Shelf life:	12 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

Ethylene glycol monobutyl ether

EU - Occupational Exposure Directive (98/24/EC) Indicative Occupational Exposure Limit Values (IOELV) - Skin Absorbers	Listed
EU - Occupational Exposure Directive (98/24/EC) Indicative Occupational Exposure Limit Values (IOELV) - TWAs	Listed
EU - Occupational Exposure Directive (98/24/EC) Indicative Occupational Exposure Limit Values (IOELV) - TWAs	Listed
Austria - OEL - STEL	=200mg/m ³ =40ppm
Austria - OEL - TWA (MAK)	=20ppm =98mg/m ³
Belgium - OEL - STEL	= 246 mg/m ³ VLE = 50 ppm VLE
Belgium - OEL - TWA (MAK)	= 123 mg/m ³ VLE = 25 ppm VLE
Czech Republic - OEL - TWA	=100mg/m ³
Denmark - OEL - TWA	= 20 ppm TWA = 98 mg/m ³ TWA
Estonia - OEL - STEL	=246mg/m ³ =50ppm
Estonia - OEL - TWA	Listed
Finland - OEL - STEL	= 250 mg/m ³ STEL = 50 ppm STEL
Finland - OEL - TWA	= 20 ppm TWA = 98 mg/m ³ TWA
France - OEL - STEL	=147.6mg/m ³ =30ppm
France - OEL - TWA	=2ppm =9.8mg/m ³
Germany OEL - TRGS 900	= 20 ppm TWA = 98 mg/m ³ TWA
Greece - OEL - TWA	=120mg/m ³ =25ppm
Hungary - OEL - STEL	=246mg/m ³
Hungary - OEL - TWA	=98mg/m ³
Iceland - OEL - STEL	=246mg/m ³ =50ppm
Iceland - OEL - TWA	=100mg/m ³ =20ppm
Ireland - OEL - STEL	=246mg/m ³ =50ppm
Ireland - OEL - TWA	=20ppm =98mg/m ³

Italy - OEL - TWA	= 20 ppm TWA = 98 mg/m ³ TWA
Italy - OEL - STEL	=246mg/m ³ =50ppm
Israel - OEL - TWA	=20ppm
Netherlands - OEL - STEL	=246mg/m ³ =50ppm
Netherlands - OEL - TWA	=100mg/m ³ =20ppm
Norway - OEL- TWA	= 10 ppm OEL = 50 mg/m ³ OEL
Poland - OEL- STEL	= 200 mg/m ³ NDSCCh
Portugal - OEL - TWA	= 20 ppm TWA
Spain - OEL - STEL (VLA-EC)	=245mg/m ³ =50ppm
Spain - OEL - TWA (VLA-ED)	=20ppm =98mg/m ³
Sweden - OEL - STEL (STV)	=100mg/m ³ =20ppm
Sweden - OEL - TLV (LLV)	=10ppm =50mg/m ³
Switzerland - OEL - STEL	= 400 mg/m ³ STEL = 80 ppm STEL
Switzerland - OEL- TWA	= 100 mg/m ³ MAK = 20 ppm MAK
United Kingdom - WEL - STEL	=50ppm
United Kingdom - WEL - TWA	=25ppm
ACGIH Exposure Limits:	20 ppm

Further information: None

Exposure controls

Occupational exposure controls

Engineering measures:	Ensure adequate ventilation.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection:	Neoprene gloves - 0.75 mm - 30 min.
Eye protection:	Safety glasses
Skin and body protection:	Long sleeved clothing

Environmental exposure controls

Recommendations: none

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Physical state: Liquid
Color: White
Odour: Slight

Important health, safety and environmental information

Property	Result	Method
pH:	Not determined	NA
at	-	-
Boiling point/boiling range (°C):	100	ASTM D 1120-94
Flash point (°C):	NA	-
Flammability (solid, gas):	No data available	-
Explosive properties:		
- upper limit:	No data available	-
- lower limit:	No data available	-
Oxidising properties:	No data available	-
Vapour pressure:	No data available	-
Relative density:	1.03 (g/cm ³)	ASTM D 1298-88
at	15.5 (°C)	
Solubility:		
- water solubility:	Soluble	-
- fat solubility:	Not determined	-
Partition coefficient (n-octanol/water, log Pow):	Not determined	-
Viscosity:	Not determined	ASTM D 445-88
at	-	-
Vapour density:	No data available	-
Evaporation rate:	No data available	-

Other information

Property	Result	Method
Miscibility:	Not determined	-
Conductivity:	Not determined	-
Melting point/melting range (°C):	Not determined	-
Gas group:	Not determined	-
Auto-ignition temperature:	Not determined	-
Molecular weight:	Not determined	-
Decomposition temperature:	Not determined	-

10. STABILITY AND REACTIVITY

Stability:

Stable under recommended storage conditions.

Conditions to avoid:

None known

Materials to avoid:

Strong oxidising agents

Hazardous decomposition products:

None under normal use

Polymerization:

Not applicable

11. TOXICOLOGICAL INFORMATION**Acute toxicity****LD50 (oral/rat):** No data mg/kg**Long-term effects****Other long-term effects:** No data available**Local effects****Oral:** No data available**Inhalation:** No data available**Skin irritation:** No skin irritation**Eye irritation:** Contact with eyes may cause irritation**Sensitization:** May cause sensitization of susceptible persons**Additional toxicological information:** None**12. ECOLOGICAL INFORMATION****Ecotoxicity*****Ethylene glycol monobutyl ether*****Ecotoxicity - Fish Species Data** LC50 (Lepomis macrochirus - 96h) = 1490 mg/L**Inhibitory effects:** None known**Behaviour in sewage treatment plants:** None known**Mobility****Distribution to environmental compartments:** No data available**Surface tension:** No data available**Persistence and degradability****BOD** Not determined**Potential degradation:** Not determined**Degradation half life:** Not determined

Degradation in sewage treatment plants: Not determined

Bioaccumulative potential

Bioaccumulation: No data available

Other adverse effects

Ozone depletion potential (R-11 = 1): Not determined

Photochemical ozone creation potential: Not determined

Global warming potential: Not determined

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Dispose of in accordance with local regulations

Contaminated packaging: Dispose of as unused product.

Methods for cleaning up: No information available

EWC waste disposal No.: Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

14. TRANSPORT INFORMATION

ADR

Class: Not classified

RID

Class: Not classified

IMO/IMDG

Class: Not classified

ICAO

Class: Not classified

IATA

Hazard Class: Not classified

15. REGULATORY INFORMATION

EC classification and labelling (67/548/EEC - 1999/45/EC)

Indication of danger: None Not dangerous goods

R phrases:
None

S phrases:
None

National regulations

**Water endangering class
WGK (D):** No information available

Maladies Professionnelles (F): Not Listed

EC EINECS/ELINCS/NLP list: This product complies with EINECS.

16. OTHER INFORMATION

List of relevant R phrases

Further information:

**Recommended restrictions on
use:** No information available

Training advice: See our technical data sheet.

Further information: Contact manufacturer

Prepared by: Quaker Chemical Corporation -Safety, Health and Environmental Affairs Group - US

Reason for revision: New Format

Disclaimer

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End of Safety Data Sheet