



Dry Erase Coating

TECHNICAL DATA

Single Component Clear

Dry Erase Coating

One Quart covers 200 square feet

TEST	ASTM METHOD	RESULT
VOC	D3960	4 g/l
Density	D1475	9.44 lbs / Gal
Sag Resistance Crack Resistance/	D4400	<3mils
Elongation	D522	> 32%
Gloss 60 degree	D523	85–90@ 3 mil coating
QUV/500 Hrs, UVA 340	D4587	Visual Gloss Change - Minimal Visual Color Change – NONE Other Detrimental Film Effects-NONE DE = 1.40
Flammability	E-84	Flame Spread – 5 Smoke Development – 0
Flashpoint	D92	>200F
Scrub Resistance	D2486	> 15,000 Cycles
Washability	D3450	98.8%

Warranty

SherWrite Dry Erase Coating is warranted by the Manufacturer for 10 years from shipment date from not to crack or peel, to resist staining and yellowing, and not to permanently ghost when used with the proper dry erase markers, cleaners and when properly maintained per care and maintenance instructions provided.

If in the sole opinion of the Manufacturer a product covered under this warranty is determined to be defective, the buyer's sole and exclusive remedy at the Manufacturer's discretion is a) the replacement of the non-conforming product or b) refund to the buyer of no more than the purchase price of the non-conforming product.



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CARE AND MAINTENANCE

Before Writing on Dry Erase Surface

Before initial use of the writing surface, the material must be cleaned with Expo Cleaner and a soft cloth, and then towel dried. Follow with clean water and a soft cloth. Use another clean towel to dry.

Markers

We recommend the use of Expo markers. Bullet-tip work best.

Daily Cleaning

Micro-fiber Cloths are recommended as erasers to remove the dry erase markings. Change or clean the cloth often, as they become soiled to avoid leaving excessive marker residue on the surface. Micro-fiber Cloths can be washed. For cleaning marker residue build-up, use Expo brand dry erase cleaning solution and a soft towel.

Long Term Care

Clean the entire surface on a regular basis to insure the ultimate performance and appearance of the product over the long term.

Do not use abrasive cleaners/cleaning tools, erasers with hard plastic edges/housing or pointed writing instruments on the dry erase surface.

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Safety Data Sheet SherWrite Dry Erase Coating

Chemical family: polyfunctional polyisocyanate

2. Hazards Identification

Emergency overview

CAUTION:

Danger of skin sensitization on repeated contact
Irritating to skin
Ensure adequate ventilation
Eye wash fountains and safety showers must be easily accessible
Avoid inhalation of mists/vapors
Wear Safety glasses with side-shields
Wear protective clothing
Avoid contact with the skin, eyes and clothing

SENSITIZER.

May cause sensitization by inhalation.

State of matter: liquid

Color: colorless

Odor: faint odor

Potential health effects

Primary Routes of exposure:

Routes of entry include eye and skin contact, ingestion and inhalation.

Sensitization:

No pulmonary sensitization potential was observed in the guinea pig model either after intradermal or inhalative induction with polyisocyanate based on hexamethylene diisocyanate. No sensitization of the respiratory tract as shown in animal studies.

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Chronic toxicity:

Repeated dose toxicity: No data available concerning repeated dose toxicity.

Signs and symptoms of overexposure: The most important known symptoms and effects are described in the labeling (see section 2) and /or in section 11. Further important symptoms and effects are so far not known.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
28182-81-2	>= 96.0 - <= 99.0 %	Hexamethylene, 1,6-diisocyanate -, homopolymer
822-06-0	>= 0.1 - <= 3.0 %	1,6-hexamethylene diisocyanate

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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified hazardous to health or the environment and hence require reporting in this section.

4. First-Aid Measures

General advice:

Immediately remove contaminated clothing.

If inhaled:

If difficulties occur after vapor/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth immediately and then drink plenty of water, seek medical attention.

Note to physician

Treatment:

Inhale corticosteroid dose aerosol. Treat according to symptoms (decontamination, vital functions), no known specific antidote, administer corticosteroid dose aerosol to prevent pulmonary edema.

5. Fire-Fighting Measures

Flash point: > 141 F° (DIN 51758)

Suitable extinguishing media:

dry extinguishing media, foam

Hazards during fire-fighting:

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

Correctly dispose of recovered product immediately.

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).

For large amounts: Pump off product.

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7. Handling and Storage

Handling

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame.

Storage

General advice:

Keep container tightly closed and in a cool place.

Storage stability:

If moisture enters isocyanate containers, CO₂ forms and pressure builds up.

8. Exposure Controls and Personal Protection

Components with workplace control parameters

1,6-hexamethylene diisocyanate ACGIH TWA value 0.005 ppm ;

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect. A NIOSH-certified (or equivalent) organic vapor respirator is preferred for LONG TERM use for industrial applications.

Hand protection:

Manufacturer's directions for use should be observed because of great diversity of types., Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Avoid inhalation of mists. Contact with eyes and skin must be avoided. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form:	liquid	
Odor:	faint odor	
Color:	colorless	
pH value:	Not Applicable	
Melting Point:	Not Determined	
Boiling Point:	Not Determined	
Vapor pressure:	0.0001 mbar	68° F (20 °C)
Density:	1.1 g/cm ³	68° F (20 °C) (DIN 51757)
Relative Density:	1.10	
Viscosity, dynamic:	0.7 Pa.s	68° F (20 °C) (DIN 53019)
Solubility in water:	Reacts with water to liberate CO ₂ gas	
VOC:	< 100 grams per liter of coating (calculated)	

10. Stability and Reactivity

Substances to avoid:

amines, amine compounds

Hazardous reactions:

Reacts with alcohols. Reacts with amines. Reacts with substances which contain active hydrogen. Reacts with water, with formation of carbon dioxide. The formation of gaseous decomposition products builds up pressure in tightly closed containers.

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Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if used correctly.

11. Toxicological information

Other Information:

The product has not been tested. We do not test on animals.

12. Ecological Information

Aquatic invertebrates

Acute:

OECD Guideline 202, part 1 static

Daphnia magna/EL50 (48 h): > 100 mg/l

Nominal concentration. The product may hydrolyze. The test result may be partially due to degradation products.

Microorganisms

Toxicity to microorganisms:

OECD Guideline 209 activated sludge, domestic/EC20 (180 min): approx. 150 mg/l

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. Nominal concentration.

Degradability / Persistence**Biological / Abiological Degradation**

Test method: OECD 301B; ISO 9439; 92/69/EEC, C.4-C, activated sludge

Method of analysis: CO₂ formation relative to the theoretical value

Degree of elimination: 20 - 30 % (28 d)

Evaluation: Poorly biodegradable.

Other adverse effects:

Do not release untreated into natural waters. The local regulations on waste-water treatment must be followed. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:

Dispose of in a licensed facility. Do not discharge into waterways or sewer systems without proper authorization.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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14. Transport Information

Land transport

TDG

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical

TSCA, US released w/o restriction on quantity
TSCA & 5PMN approved

OSHA Hazard Category: Hazardous

EPCRA 311/312 (Hazard Categories): Acute

16. Other Information

HMIS Rating

Health 1

Flammability 1

Physical Hazard 0

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

The method of hazard communication for EX1 is comprised of Product Labels and Safety Data Sheets. HMIS ratings are provided by EX1 as a customer service. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

The handling of products containing reactive HDI polyisocyanate/prepolymer and/or monomeric HDI requires appropriate protective measures referred to in this SDS. These products are therefore recommended only for use in industrial or trade (commercial) applications. Under no circumstances should this be sprayed as an application technique.

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This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of EX1. The information in this SDS relates only to the specific material designated herein. EX1 assumes no legal responsibility for use of or reliance upon the information in this SDS.