

## MATERIAL SAFETY DATA SHEET

E-Z JAPAN DRIER

EMERGENCY CONTACT: FOR CHEMICAL EMERGENCY - SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT  
CALL CHEMTREC AT 1-800-424-9300, DAY OR NIGHT

<u>INDEX</u>	<u>HMS</u>	<u>NFPA</u>
4- Severe	Health 1	Health 2
3 - Serious	Flammability 2	Flammability 2
2 - Moderate	Reactivity 0	Reactivity 0
1 - Slight		
0 - Insignificant		

### Section 2. CHEMICAL AND PHYSICAL PROPERTIES

**FORMULA:**

mixture

**HAZARDOUS DECOMPOSITION PRODUCTS:**

carbon monoxide, carbon dioxide and toxic metal oxide fumes from burning

**INCOMPATIBILITY (Keep away from):**

strong oxidizers such as hydrogen peroxide, bromine, and chromic acid

**TOXIC AND HAZARDOUS INGREDIENTS:**

	<u>% (by weight)</u>	<u>CAS #</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Stoddard Solvent	91.1	8052-41-3	525 mg/m <sup>3</sup>	100 ppm
Contains insitu ingredient(s) - for additional information see environmental section IX				
1,2,4 Trimethylbenzene	2.7	95-63-6	125 mg/m <sup>3</sup>	25 ppm
Manganese alkanoate*	3.4	15956-58-8	5 mg/M <sup>3</sup>	5 mg/M <sup>3</sup>
(6% manganese as metal)		37449-19-7	(as metal dust)	
Cobalt 2-ethylhexoate as Co*	2.8	136-52-7	0.02 mg/M <sup>3</sup>	0.1 mg/M <sup>3</sup>

\* Requires reporting under SARA Sec. 313 and 40 CFR 372

**FORM:**

liquid

**ODOR:**

mild petroleum

**APPEARANCE:**

low viscosity liquid

**COLOR:**

purple

**SPECIFIC GRAVITY (water=1):**

0.8

**HAZARDOUS POLYMERIZATION:**

will not occur

**BOILING POINT:**

>300 deg. F

**MELTING POINT:**

not applicable

**SOLUBILITY IN WATER (by weight %):**

negligible

**VOLATILE (by weight %):**

100

**EVAPORATION RATE:**

slower (butyl acetate = 1)

**VAPOR PRESSURE:**

<5MM @ 77F

**VAPOR DENSITY (air = 1):**

4.85 - 4.9  
pH (as is): not applicable  
STABILITY: Product is stable under normal conditions  
VISCOSITY SUS at 100 deg F: Not determined

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### Section 3. FIRE AND EXPLOSION DATA

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#### SPECIAL FIRE FIGHTING PROCEDURES

Do not use water except as fog. Explosion or fire produces toxic fumes. Wear self contained breathing apparatus and evacuate personnel to safe area.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Do not cut, weld, braze, solder, drill, grind or expose containers, drums, tanks, etc. of product to heat, flame, sparks, static electricity or other sources of ignition; they may ignite explosively.

#### FLASHPOINT:

104 deg. F PMcc

#### FLAMMABLE LIMITS:

0.9% - 6.0%

#### EXTINGUISHING AGENTS:

Drychemical or Waterfog or CO<sub>2</sub> or Foam

Water or foam may cause frothing. Closed containers exposed to fire may be cooled with water.

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### Section 4. HEALTH HAZARD DATA

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#### CHRONIC EFFECTS OF OVEREXPOSURE:

no data available

#### ACUTE TOXICOLOGICAL PROPERTIES:

for stoddard solvent: inhalation-irritation of eyes, nose and throat, dizziness; skin contact-dermatitis; eyes-irritation; ingestion-nausea, vomiting. Large amounts, if retained, lead to symptoms of central nervous system depression.

for manganese: inhalation-irritation of respiratory tract, mild depression, dizziness and headaches, nausea, convulsions and loss of consciousness. Narcosis in high solvent vapor concentrations. skin-irritation;

eyes-irritation; ingestion-severe irritation of the mouth, throat and stomach, pulmonary edema

for cobalt: inhalation-irritation of the respiratory tract, mild depression, dizziness and headaches;

skin-irritation; eyes-irritation; ingestion-severe irritation of the mouth, throat and stomach, pulmonary edema

#### EMERGENCY FIRST AID PROCEDURES:

Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

Skin Contact: Remove excess with cloth or paper. Wash thoroughly with soap and water. Discard contaminated clothing immediately. Call a physician if necessary.

Inhalation: Remove victim to fresh air. Give artificial respiration if not breathing. Call a physician.

If Swallowed: Call a physician immediately. May be harmful if swallowed. DO NOT induce vomiting. (Vomiting may cause aspiration into lungs resulting in chemical pneumonia.) Rinse mouth.

#### ROUTES OF ENTRY:

Inhalation, skin/eye contact, ingestion

#### TARGET ORGAN(S):

Respiratory system, central nervous system, skin and eyes

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Preexisting eye, skin and respiratory disorders.

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### Section 5. SPECIAL PROTECTION INFORMATION

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#### VENTILATION TYPE REQUIRED (Local, mechanical, special):

Should be used with adequate ventilation. Use local exhaust to avoid breathing vapor or mist. Local if necessary

to maintain allowable PEL (permissible exposure limit) or TLV (threshold limit value)

RESPIRATORY PROTECTION (Specify type):

Use NIOSH/MSHA certified respirator with dual organic vapor/mist and particulates cartridge if vapor concentration exceeds permissible exposure limit.

PROTECTIVE GLOVES:

neoprene type

EYE PROTECTION:

chemical safety goggles with side shields or full face shield

OTHER PROTECTIVE EQUIPMENT:

Eyewash fountain and shower are recommended in work area. Impermeable clothing.

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Section 6. HANDLING OF SPILLS OR LEAKS

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PROCEDURES FOR CLEAN-UP:

Avoid all ignition sources such as flames and sparks. Insure good ventilation. Prevent from entering sewers and waterways. If volume is significant, transfer into containers for disposal. Seal containers tightly. Absorb on an inert ingredient such as earth, sand or vermiculite. Sweep up and dispose of according to Federal, State and local regulations. Do not contaminate any water supply. In the event of an uncontrolled release of this material, the user should determine if the release is reportable.

WASTE DISPOSAL:

Dispose of in accordance with all applicable federal, state and local regulations.

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Section 7. SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in a cool, dry place.

Keep container tightly closed.

Keep away from heat.

Avoid all ignition sources such as flames and sparks.

Do not handle or store at temperatures over 38 deg. C (100 deg. F).

Pressure build-up will occur in closed containers at elevated temperatures.

Do NOT store in confined areas such as trailers.

**CAUTION:** Combustible liquid!

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Section 8. TRANSPORTATION DATA

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D. O. T.:

Regulated

U. S. D. O. T. PROPER SHIPPING NAME & [CONTAINER MODE]:

PAINT RELATED MATERIAL [55 Gal Drum/5 Gal Pail/Gallon/Quart/Pint]

U. S. D. O. T. HAZARD CLASS:

Manufacturer ships as non - hazardous for domestic road shipments.

ID NUMBER:

n/a

LABEL(S) REQUIRED:

none

REPORTABLE QUANTITY:

none

FREIGHT CLASSIFICATION :

Stoddard solvent-Combustible liquid

SPECIAL TRANSPORTATION NOTES:

Manufacturer ships as non - hazardous for domestic road shipments.

OTHER TRANSPORT INFORMATION

The DOT Transport Information may vary with the container and mode of shipment.

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Section 9. ENVIRONMENTAL/SAFETY REGULATIONS

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SECTION 313 (TITLE III SUPERFUND AMENDMENT AND REAUTHORIZATION ACT):

This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (the corresponding CAS number and percent by weight are also provided):

1,2,4 trimethyl benzene	CAS # 95-63-6	2.67%
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COMMENTS

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STATE REGULATORY INFORMATION:

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT: This product contains the following ingredient(s) listed in Appendix A Hazardous Substance List:

<u>Component</u>	<u>CAS No.</u>
stoddard solvent	8052-41-3

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LABEL INFORMATION

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CAUTION! COMBUSTIBLE MIXTURE

Contains Stoddard Solvent - CAS No. 8052-41-3

Use adequate ventilation to insure that fumes do not come in contact with sources of ignition such as flames and sparks. Avoid prolonged breathing of mist or vapors and prolonged or repeated skin contact. Use NIOSH/OSHA approved respirator, and chemical splash goggles to prevent eye contact.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush immediately with large amounts of water for a least 15 minutes. Call physician.  
Skin Contact: Remove excess with cloth or paper. Wash thoroughly with soap and water. Discard contaminated clothing immediately. Call a physician of necessary.  
Inhalation: Remove victim to fresh air. Give artificial respiration if not breathing. Call a physician. The OSHA permissible exposure limit for stoddard solvent is 100 ppm.  
If Swallowed: Do not induce vomiting. Call a physician immediately.

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