

## Material Safety Data Sheet

According to (EC) No 1907/2006  
Preconditioning Fluid

### 1. Identification of the Preparation and of the Company

**Trade Names:** Preconditioning Fluid

**Synonyms:**

**Manufacturer:** EFD Inc.

40 Catamore Boulevard  
East Providence, RI 02914, USA  
Phone: +1-401-431-7000

**Emergency:** Chemtrec (Transportation) +1-800-424-9300  
Outside USA +1-703-527-3887

### 2. Composition/Information on Ingredients

Component	CAS	EINECS	% by Weight	OSHA PEL mg/m <sup>3</sup>	ACGHV TLV mg/m <sup>3</sup>
Acetone	67-64-1	200-662-2	95.0 – 100.0	1200	500

NE = Not Established

### 3. Hazard Identification

**R-Phrases**

- 11 Highly flammable
- 36 Irritating to eyes
- 66 Repeated exposure may cause skin dryness and/or cracking
- 67 Vapors may cause drowsiness and dizziness

**Special hazards information for humans and environment**

- Highly flammable
- Irritating to eyes

### 4. First Aid Measures

**EYES:** Remove contact lenses. Immediately flush with copious amounts of water for at least 15 minutes. Seek medical attention.

**SKIN:** Wash affected area with plenty of warm, soapy water. If irritation develops, seek medical attention. Do not try to remove cooled rosin from skin. Seek medical attention.

**INHALATION:** Remove person to fresh air. If breathing has stopped, perform artificial respiration and seek medical attention.

**INGESTION:** If person is conscious, give large quantity of water to drink. Seek immediate medical attention. Harmful if swallowed.

**NOTE TO PHYSICIAN:** Depression of central nervous system.

### 5. Fire Fighting Measures

**EXTINGUISHING MEDIA:** Water spray, dry chemical, foam, CO<sub>2</sub>.

**UNSUITABLE EXTINGUISHING MEDIA:** None known.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors from this product may travel or be moved by air currents and be ignited by pilots, other flames, sparks heaters, electrical equipment or other ignition sources.

**FIRE FIGHTING EQUIPMENT:** Use water spray to cool fire exposed containers and structures. Use self-contained breathing apparatus and protective clothing.

**PRECAUTIONS:** Keep away from ignition sources. Use with adequate ventilation.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May form carbon monoxide, carbon dioxide or other toxic fumes.

### 6. Accidental Release Measures

**PERSONAL PRECAUTIONS:** Wear appropriate personal protection equipment (refer to Section 8.)

**ENVIRONMENTAL PRECAUTIONS:** Do not discharge into drains or bodies of water.

**METHODS FOR CLEANING:** Extinguish all sources of ignition. Collect and place into properly labeled waste container. Dispose of according to applicable government regulations. Flush small spills with water.

### 7. Handling and Storage

**HANDLING:** WARNING! Flammable. Causes eye and skin irritation. Wash thoroughly after handling.

**STORAGE:** Keep away from heat, sparks and flame. Keep container closed. Use with adequate ventilation.

### 8. Exposure Controls/Personal Protection

**ENGINEERING MEASURES:**

Maintain adequate local ventilation. Operators should be protected from vapors.

**PERSONAL PROTECTIVE EQUIPMENT:**

**EYES:** Wear appropriate safety glasses.

**SKIN:** Wear appropriate protective clothing and gloves. Avoid skin contact.

**INHALATION:** Use with adequate ventilation. Use self-contained breathing apparatus in high concentrations.

**HYGIENE:** Maintain good industrial hygiene.

### 9. Chemical and Physical Properties

**APPEARANCE AND ODOR:** Water-white liquid; characteristic odor.

**FLASH POINT:** < -20°C

**FLAMMABILITY:** Lower: 2.6%; Upper: 13.0%

**AUTO IGNITION TEMPERATURE:** 465°C

**pH:** Not applicable

**VAPOR PRESSURE:** 24700Pa

**VAPOR DENSITY:** 2.01 (air = 1)

**MELTING POINT:** Not applicable

**BOILING POINT:** 56°C

**SOLUBILITY IN WATER:** Miscible

**RELATIVE DENSITY:** 0.79 at 20/20°C

**EVAPORATION RATE:** 7.7 (Butyl acetate = 1)

### 10. Stability and Reactivity

**STABILITY:** Stable

**MATERIALS TO AVOID:** Concentrated nitric and sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids, potassium t-butoxide.

**CONDITIONS TO AVOID:** Heat, sparks, flame.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning can produce carbon monoxide and/or carbon dioxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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### 11. Toxicological Information

Oral rat LD50: 5800 mg/kg; Inhalation rat LC50: 50,100mg/m<sup>3</sup>; Irritation eye rabbit, Standard Draize, 20 mg severe; investigated as a tumorigen, mutagen, reproductive effecto

-----\Cancer Lists\-----

Ingredient	----NTP Carcinogen----		IARC Category
	Known	Anticipated	
Acetone (67-64-1)	No	No	None

### 12. Ecological Information

When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released into water, this material is expected to readily biodegrade. When released to water, this material is expected to quickly evaporate. This material has a log octanol-water partition coefficient of less than 3.0. This material is not expected to significantly bioaccumulate. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material may be moderately degraded by photolysis. When released into the air, this material is expected to be readily removed from the atmosphere by wet deposition.

**ENVIRONMENTAL TOXICITY:** This material is not expected to be toxic to aquatic life. The LC50/96-hour values for fish are over 100 mg/l.

### 13. Disposal Considerations

Dispose of according to applicable government regulations. Recycle when possible. Do not dump into sewers, on the ground, or into any body of water.

### 14. Transportation Information

UN Number: 1090, Hazard Class3, PG II  
ADR/RID N/E  
IMO/IMDG N/E  
CAO/IATA N/E

### 15. Regulatory Information

-----\Chemical Inventory Status - Part 1\-----

Ingredient	TSCA	EC	Japan	Australia
Acetone (67-64-1)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----

Ingredient	--Canada--			
	Korea	DSL	NDSL	Phil.
Acetone (67-64-1)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----

Ingredient	-SARA 302-		----SARA 313----	
	RQ	TPO	List	Chemical Catg.
Acetone (67-64-1)	No	No	Yes	No

-----\Federal, State & International Regulations - Part 2\-----

Ingredient	-RCRA-		-TSCA-
	CERCLA	261.33	8(d)
Acetone (67-64-1)	5000	U002	No

Chemical Weapons Convention: No	TSCA 12(b): No	CDTA: Yes	Reactivity	
SARA 311/312:	Acute: Yes	Chronic: No	Fire: Yes	Pressure: No
Reactivity: No	(Pure / Liquid)			

EUROPEAN REGULATIONS:  
HAZARD SYMBOL AND HAZARD INFORMATION



R-Phrases  
R11, R36, R66, R67

S-Phrases  
S16, S26, S9

### 16. Other Information

NFPA Rating:	Health	2	Flammability	3
	Reactivity	0	Special	n/a
HMIS Rating:	Health	2	Flammability	3
	Reactivity	0	Personal Protection	n/a

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Additionally, EFD Inc. assumes no responsibility for injury to the end user proximately caused by the material even if reasonable safety procedures are followed. The end user assumes the risk in his use of this material.

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