

**MATERIAL SAFETY DATA SHEET**  
**TRIM® E850**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name** TRIM® E850  
**Material type** Premium Emulsion  
**Classification/synonym(s)** Chemical emulsion/Soluble oil  
**Product use** Cutting and Grinding Fluid  
**Manufacturer address** MASTER CHEMICAL CORPORATION  
501 West Boundary  
Perrysburg, OH 43551-1200  
419-874-7902  
**Emergency telephone** 800-424-9300

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>COMPONENT</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>OTHER LIMITS RECOM.</b>	<b>CAS #</b>	<b>%RANGE</b>
Severely hydrotreated petroleum oil	5 mg/m <sup>3</sup> (mist)	5 mg/m <sup>3</sup> (mist)	none	64742-52-5/ 64742-58-1	50-60

The exact chemical identities and percentages of the raw materials used in TRIM® E850 are trade secrets. This information is being withheld as provided for in the Occupational Safety and Health Administration's Hazard Communication Rule (29 CFR 1910.1200).

**3. HAZARDS IDENTIFICATION**

**Emergency overview** Amber liquid  
No immediate hazard  
Fire may produce oxides of carbon, nitrogen, and phosphorus

**POTENTIAL HEALTH EFFECTS**

<b>Acute effects of overexposure</b>	Eye contact	Transient irritation
	Skin contact	Nonirritant, nonsensitizer
	Inhalation	Nontoxic
	Ingestion	Nontoxic
	Skin absorption	Nontoxic

**Chronic effects of  
overexposure** None currently known

**Product/Ingredients listed as  
carcinogen or potential carcinogen?** NTP Annual Report No IARC Monographs No  
OSHA No

**Signs and symptoms of exposure** None

**Medical conditions generally aggravated by exposure**                      None known

#### **4. FIRST AID MEASURES**

<b>Emergency and first aid procedures</b>	Eyes	Flush immediately with cool, clean water for at least 15 minutes
	Skin	Wash with mild soap and warm water
	Inhalation	Move to fresh air
	Ingestion	If large quantities are ingested, contact a physician

In every case get medical attention as required.

#### **5. FIRE FIGHTING MEASURES**

**Flash point (test method)**                      >200°F (>93°C) (PMCC)                      **Flammable limits** Not determined

**Extinguishing media**                      As appropriate for the surrounding fire: water (flood with water), dry chemical, CO<sub>2</sub>, or "alcohol" foam

**Special fire fighting procedures**                      None                      **Unusual fire and explosion hazards** None

#### **6. ACCIDENTAL RELEASE MEASURES**

**Steps to be taken if material is released or spilled**                      Mop up or use dry absorbent

#### **7. HANDLING AND STORAGE**

**Precautions to be taken in handling and storing**                      Avoid contact with eyes. Avoid prolonged or repeated skin contact with the concentrate. Wash thoroughly after handling. Do not swallow.

**Other precautions**                      This product contains amines. Do not add nitrite or other nitrosating agents to this product due to the potential for nitrosamine formation.

#### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory protection (Specify type)**                      None

<b>Ventilation</b>	Local exhaust	Not normally required
	Mechanical (General)	General room ventilation should be sufficient
	Special	None
	Other	None

**Protective gloves**                      None

**Other protective equipment**                      None

**Eye protection**                      Safety glasses

**Exposure limits**

None established by ACGIH or OSHA for product as whole  
Refer to Section 2

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Amber liquid
<b>Odor</b>	Mild
<b>pH of concentrate</b>	Not applicable
<b>Typical operating pH (as range)</b>	8.8 – 9.8
<b>Boiling point (ASTM D86)</b>	209°F (98°C)
<b>Freezing point</b>	<-13°F (-25°C)
<b>Solubility in water</b>	Soluble
<b>Specific gravity (H<sub>2</sub>O=1)</b>	0.938
<b>V.O.C. Content (ASTM E1868-10)</b>	197 g/l
<b>Evaporation rate (butyl acetate=1)</b>	0.005

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable	<b>Conditions to avoid</b>	None
<b>Incompatibility (materials to avoid)</b>	Strong oxidizers and acids		
<b>Hazardous combustion or decomposition products</b>	Thermal decomposition (fire) may produce oxides of carbon, nitrogen, and phosphorus		
<b>Hazardous polymerization</b>	Will not occur	<b>Conditions to avoid</b>	None

**11. TOXICOLOGICAL INFORMATION**

<b>Study</b>	<b>Test Animal</b>	<b>Concentrate</b>	<b>Results</b>	<b>10% Solution</b>
Acute inhalation toxicity	Rat	---		nontoxic LC <sub>50</sub> >200mg/L
Acute oral toxicity	Rat	nontoxic LD <sub>50</sub> >5000mg/kg		nontoxic
Acute dermal toxicity	Rabbit	nontoxic LD <sub>50</sub> >2000mg/kg		---
Primary eye irritation	Rabbit	irritant		nonirritant
Repeat insult patch	Human	---		nonirritant nonsensitizer
Primary skin irritation	Human	noncorrosive		---

**12. ECOLOGICAL INFORMATION**

No data available

### 13. DISPOSAL CONSIDERATIONS

**Waste disposal method** Must comply with local, state, and federal regulations. If pre-treatment is needed, chemical treatment or ultrafiltration may be used. Contact Master Chemical Tech Line (1-800-537-3365) for assistance.

### 14. TRANSPORT INFORMATION

**Department of Transportation** **DOT Hazard Class:** None  
TRIM® E850 is not classified as a hazardous material by DOT.

### 15. REGULATORY INFORMATION

**Resource Conservation and Recovery Act** **EPA Hazardous Waste Number(s):** None  
TRIM® E850 is not classified as a hazardous waste by EPA.

**Toxic Substances Control Act** All TRIM® E850 ingredients are listed on the TSCA Inventory of Chemical Substances.

**Superfund Amendments and Reauthorization Act of 1986** TRIM® E850 does not contain any Section 302/304 Extremely Hazardous Substances or Section 313 Toxic Chemicals.

### 16. OTHER INFORMATION

	<b>HMIS Hazard Index</b>	<b>Concentrate</b>	<b>NFPA Rating</b>
(Health)	H = 1		H = 1
(Fire)	F = 0		F = 0
(Reactivity)	R = 0		R = 0
(Personal Protection)	PP = A (safety glasses)		Special hazards = none
	<b>Typical Working Solution</b>		
	H = 1		H = 1
	F = 0		F = 0
	R = 0		R = 0
	PP = A (safety glasses)		Special hazards = none

**Key** 0 = minimal 1 = slight 2 = moderate 3 = serious 4 = severe

This information is intended solely for the use of individuals trained in the particular system.

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