

# MATERIAL SAFETY DATA SHEET

## Star 10 Aerosol Stripper



Star 10, INC.  
575 W Hume Street  
Muskegon, MI 49441  
800-726-4319

Ver. Date Feb 20 1997

### 1. GENERAL

THIS MSDS COMPLIES WITH 29 CFR 1910,1200 (HAZARD COMMUNICATION STANDARD).

#### TELEPHONE NUMBERS:

Emergency  
Chemtrec 800-424-9300  
Star 10, Inc 800-726-4319

#### HAZARD RATINGS:

Health (NFPA)	2
Health (HMIS)	3
Flammability	4
Reactivity	0

**IMPORTANT:** Read this MSDS before handling & disposing of this Product. Pass this information on to employees, customers & users of this product.

### 2. INGREDIENT & REGULATORY INFORMATION

#### SARA Title III Section 313 Supplier Notification

"All components of this product are on the TSCA list."

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & 40CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

[SARA SECTION 311/312 HAZARDS(TWA,TLV,HAP): Acute Health, Fire]

INGREDIENTS	CAS#	REG. SECTION	RQ(LBS)	TWA(OSHA)	TLV(ACGIH)	HAP	CEILING	STEL(OSHA/ACGIH)
*Methanol	67-56-1	311,312,313,RCRA	5000	200 ppm(S)	200 ppm(S)	Yes	None Known	250 ppm
*Toluene	108-88-3	311,312,313,RCRA	1000	200 ppm	50 ppm	Yes	N/Ap	N/Ap
*Methyl Ethyl Ketone	78-93-3	311,312,313,RCRA	5000	200 ppm	200 ppm	Yes	None Known	300 ppm
Acetone	67-64-1	311,312	5000	1000 ppm	750 ppm	No	None Known	1000 ppm
Methyl Isobutyl Ketone	108-10-1	311,312,313,RCRA	5000	100 ppm	50 ppm	Yes	None Known	75 ppm
n-Butane	106-97-8	311,312	None	1000 ppm	800 ppm	No	N/Ap	N/Ap
Isobutane	75-28-5	311,312	None	1000 ppm	800 ppm	No	N/Ap	N/Ap
3 Other Ingredients	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap

In addition to EPA Hazardous Air Pollutants showing 'Yes' under "HAP" above, using manufacturer's data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts(less than 0.1%): Benzene, Mixed Xylenes, Ethylbenzene.

CALIFORNIA PROPOSITION 65: This product is regulated under the California Safe Drinking Water and Toxic Enforcement Act of 1986.

CALIFORNIA PROPOSITION 65: Listed as Carcinogen

CALIFORNIA PROPOSITION 65: Can cause damage to fetus.

#### DOT SHIPPING NAME:

Paint Related Material,3,UN1263,PG-I

#### DOT HAZARD:

Drum Label: Flammable Liquid

IF > 4655 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" IS EXCEEDED.

### 3. HAZARDS IDENTIFICATION

MATERIAL:	CAS#	THRESHOLD LIMIT VALUE:	LOWEST KNOWN LETHAL DOSE DATA:
Methanol	67-56-1	140 ppm (Evaporated Blend)	Oral - Lowest known LD50 1000.0 mg/kg (Man)
Methyl Ethyl Ketone	78-93-3	CONTAINS: Methanol, Toluene, Methyl Ethyl Ketone, Acetone, Methyl Isobutyl Ketone	Vapors - Lowest know LC50 2000 ppm (Rats)
Toluene	108-88-3		Skin - Lowest known LD50 4000.0 mg/kg (Rabbits)

#### SIGNAL WORDS:

Danger!! Extremely Flammable!! Vapors can cause Flash Fire, Poison!!

#### ACCUTE HAZARDS:

**Eye & Skin Contact:** Primary irritation to skin,defatting,dermatitis. Absorption thru skin increases exposure. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling.

**Inhalation:** Anesthetic. Irritates respiratory tract. Acute over-exposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute over-exposure can cause damage to kidneys, blood, nerves, liver & lungs. Repeated exposure over TLV can cause blindness.

**Swallowing:** Can be fatal or cause blindness if swallowed. Cannot be made non-poisonous. POISON! Can cause irreversible nervous system damage & death. Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

#### SUBCHRONIC HAZARDS:

**Conditions Aggrevated:** Chronic over-exposure can cause damage to kidneys, blood, nerves, liver & lungs. Persons with severe skin, liver or kidney problems should avoid use.

#### CHRONIC HAZARDS:

**Cancer, Reproductive & Other Chronic Hazards:** This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%. This product may contain less than 68 ppm of Benzene. Not considered hazardous in such low concentrations. Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.

### 4. FIRST AID MEASURES / PROCEDURES

#### EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

#### SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse. (Discard contaminated shoes)

First Aid Measures / Procedures Cont'd	
<b>INHALATION:</b>	After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. CALL A PHYSICIAN immediately!
<b>SWALLOWING:</b>	Induce vomiting promptly using physician's instructions or by having patient stick finger down throat. After vomiting has been induced, give two teaspoonsful of baking soda in a glass of water. CALL A PHYSICIAN. Never give anything by mouth to an unconscious person. Have patient lie down & keep warm. Cover eyes to exclude light.

**5. FIRE FIGHTING MEASURES**

<b>AUTO IGNITION TEMPERATURE:</b> 315 C / 600 F (lowest component)	<b>LOWER FLAMMABLE LIMIT:</b> In Air (% by vol) 3.5	<b>FLASH POINT:</b> -60 C / -76 F (TCC)	<b>Flamability Classification:</b> I A
<b>EXTINGUISHING MEDIA:</b>	NFPA Class B extinguishers (Carbon Dioxide or foam) for Class I A Liquid fires.		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Water spray may be ineffective on fire but can protect fire fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear (helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.		
<b>UNUSUAL EXPLOSION &amp; FIRE PROCEDURES:</b>	Extremely Flammable!! Vapors can cause Flash Fire. Keep container tightly closed. Isolate from oxidizers, heat, sparks, electric equipment & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Empty container very hazardous! Continue all label precautions!		

**6. ACCIDENTAL RELEASE MEASURES**

<b>SPILL OR LEAK PROCEDURES:</b>	Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.
<b>WASTE DISPOSAL METHOD:</b>	Recycle or dispose of observing local, state & Federal health, safety & pollution laws. If questions exist, contact the appropriate agencies.
<b>OTHER PRECAUTIONS:</b>	Vapors may ignite explosively & spread long distances. Prevent vapor build up. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone.

**7. HANDLING & STORAGE**

<b>HANDLING:</b>	Isolate from oxidizers, heat, sparks, electric equipment & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Avoid contact with skin & eyes. Wear OSHA standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze or weld. Empty container very hazardous! Continue all label precautions!
<b>STORAGE:</b>	Do not store above 38 C / 100 F. Store large amounts in structures made for OSHA Class IA liquids. Keep container tightly closed & upright when not in use to prevent leakage.

**8. Exposure Controls / Personal Protection**

<b>VENTILATION:</b>	<b>Local Exhaust:</b> Necessary	<b>Mechanical (General):</b> Acceptable	<b>Special:</b> None	<b>Other:</b> None
<b>EXPOSURE CONTROLS:</b>	Ventilate to keep vapors of this material below 70 ppm. If over TLV, in accordance with 29 CFR 1910.134 use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.			
<b>PERSONAL PROTECTIONS:</b>	Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.			

**9. PHYSICAL DATA**

<b>APPEARANCE:</b> Liquid, Water-White	<b>ODOR:</b> Ketone	<b>BOILING RANGE:</b>	-12 38 117 C	9 101 243 F
<b>GRAVITY @ 60 F:</b> API = 43.2	<b>Specific Gravity</b> (H <sub>2</sub> O=1) = 0.81	<b>VOCs (&gt;.44lbs/sq in):</b>	98.8 Vol %	800.4 G/L 6.667 lbs/gal
<b>VAPOR DENSITY:</b> 1.8 (air=1)		<b>TOTAL VOCs (TVOC):</b>	100.0 Vol %	800.4 G/L 6.667 lbs/gal
<b>Lbs/Gal</b> = 6.747		<b>NONEXEMPT VOCs(cvoc):</b>	82.0 Vol %	657.9 G/L 5.479 lbs/gal
<b>VAPOR PRESSURE</b> (mm of hg @ 20 C) = 124.6	<b>SOLVENCY</b>	Hydrogen Bonding	Polarity	Dispersion
<b>NONEXEMPT VOC PARTIAL PRESSURE</b> (mm of hg @ 20 C)= 94.5	<b>PARAMETERS:</b>	HKB	PKB	DKB
<b>WATER ASORPTION:</b> Appreciable	<b>REACTIVE INDEX:</b> 1.383	33.4	34.7	31.8

**10. REACTIVITY DATA**

<b>STABILITY:</b> Stable	<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Carbon Monoxide, Carbon Dioxide from burning.
<b>CONDITIONS TO AVOID:</b> Isolate from oxidizers, heat, sparks, electric equipment & open flame.	<b>HAZARD POLYMERIZATION:</b> Will not occur
<b>MATERIALS TO AVOID:</b> Isolate from strong oxidizers such as permanganates, chromates & peroxides.	

Note: The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformance to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.