

# MATERIAL SAFETY DATA SHEET

## CS SPECIAL BLEND

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** Tarr, Inc.  
4115 W. Turney Avenue  
Phoenix, AZ 85019

**INFORMATION PHONE:** (602) 233-2000

**EMERGENCY PHONE:** CHEMTREC 800-424-9300 (US) Day or night  
International Call Collect CHEMTREC 202-483-7616

**PRODUCT NAME:** CS SPECIAL BLEND

**PRODUCT NUMBER:** CSSB

**UPC NUMBER:**

**PREPARED BY:** Patricia Rodabaugh

**DATE PREPARED:** 2/25/2003

**LAST REVISION:** 2/25/2003

**SYNONYMS:**

# Tarr

Portland, Oregon  
Phoenix, Arizona  
Auburn, Washington  
Vancouver, Washington

**Print Date:** 10/28/2004

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %	OSHA PEL	ACGIH TLV	NOTE
Acetone	67-64-1	13-15	750 ppm	750 ppm	
Solvent naphtha, light aromatic	64742-95-6	7-10	N/A	N/A	Contains the following 4 constituents:
Xylenes, Mixed Isomers	1330-20-7	1-2	100 ppm	100 ppm	
Trimethylbenzene	526-73-8	3-4	25 ppm	25 ppm	
Cumene	98-82-8	<1	50 ppm	50 ppm	
Ethyl benzene	100-41-4	<1	100 ppm	50 ppm (skin)	
Diacetone Alcohol	123-42-2	32-35	50 ppm	50 ppm	
n-Butyl acetate	123-86-4	23-57	150 ppm	150 ppm	
1-Methoxy-2-propyl Acetate	108-65-6	18-22	not established	not established	

### 3. HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** DANGER! Extremely flammable liquid and vapor.

#### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** Liquid is severely irritating to the eyes. High vapor concentrations are also irritating.

**INHALATION:** High vapor concentrations may produce central nervous system (CNS) depression.

**INGESTION:** May produce central nervous system (CNS) depression.

**SKIN CONTACT:** Liquid is mildly irritating to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis.

#### SIGNS AND SYMPTOMS OF EXPOSURE:

Irritation as noted above. Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness, and nausea; in extreme cases, unconsciousness and death may occur. Aspiration pneumonitis may be evidenced by coughing, labored breathing and cyanosis. Other symptoms are stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), and lung irritation.

## 4. FIRST AID MEASURES

- EYE CONTACT:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.
- INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention immediately.
- INGESTION:** Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.
- SKIN CONTACT:** Flush skin with water. If irritation occurs, get medical attention.

### AGGRAVATED MEDICAL CONDITIONS:

Preexisting eye, skin, respiratory tract and lung disorders may be aggravated by exposure to acetone.

### SUPPLEMENTAL HEALTH INFORMATION:

\* Note to physician: If victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) syrup of ipecac. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

**FLASH POINT:** 38 F TCC

**FLASH POINT METHOD USED:** Tag Closed Cup

**AUTOIGNITION:** NDA

**LEL:** 0.008      **UEL:** 0.067

### EXTINGUISHING MEDIA:

Use water fog, "alcohol" foam, dry chemical, or CO<sub>2</sub>.

### SPECIAL FIRE FIGHTING PROCEDURES:

WARNING. Flammable Liquid. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved SCBA. Cool fire exposed containers with water.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

When heated above the flash point this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mist or spray may be flammable at temperatures below the flash point.

### COMBUSTION PRODUCTS:

Carbon monoxide and unidentified organic compounds may be formed during combustion.

## 6. ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:

WARNING. Flammable. Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Only specially trained or qualified personnel should handle the emergency.

## 7. HANDLING AND STORAGE

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep away from heat, sparks, and flame. Surfaces that are hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone.

### OTHER PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### RESPIRATORY PROTECTION:

If exposure may or does exceed occupational exposure limits (Sec. 2) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respir. of an air-purifying respir. for organic vapors.

**VENTILATION:**

Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

**PROTECTIVE GLOVES:**

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**EYE PROTECTION:**

Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required.

**WORK / HYGENIC PRACTICES:**

Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

**ENGINEERING CONTROLS:**

Facilities storing or utilizing this material should be equipped with and eyewash facility and a safety shower.

**EXPOSURE GUIDELINES:**

May be harmful or fatal if swallowed. May irritate body tissues. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**SOLUBILITY IN WATER:** Complete solubility with most hydrocarbon solvents, partial solubility with water.

**APPEARANCE AND ODOR:** Clear, colorless liquid with a fragrant odor.

<b>BOILING POINT:</b> 277 F	<b>PERCENT VOLATILE:</b> 100
<b>VAPOR PRESSURE:</b> 44.7 mm Hg @ 20C	<b>PH:</b> N/A
<b>EVAPORATION RATE:</b> 0.25 (n-Butyl Acetate = 1)	<b>MOLECULAR WEIGHT:</b>
<b>POUNDS PER GALLON:</b> 7.539	<b>VAPOR DENSITY:</b> Heavier than air
<b>SPECIFIC GRAVITY:</b> 0.9050	<b>OTHER PROPERTIES:</b> VOC's: 6.613 lbs/gal, 792.5g/L
<b>MELTING POINT:</b> NDA	
<b>FREEZING POINT:</b> NDA	

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Avoid heat, sparks, flame and contact with strong oxidizing agents. Prevent vapor accumulation.

**INCOMPATIBILITY:**

Strong oxidizers, Nitric acid, sodium hydroxide, alkali metal hydroxides.

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:**

Carbon monoxide and unidentified organic compounds may be formed during combustion.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**CONDITIONS TO AVOID:** Avoid heat, flame, and other sources of ignition.

**11. TOXICOLOGY INFORMATION**

Overexposure to diacetone alcohol has been suggested as a cause of the following effects in laboratory animals: liver abnormalities, anemia,

kidney damage. Laboratory studies have shown that petroleum distillates may cause kidney, liver, or lung damage. Reports have associated repeated, prolonged overexposure to solvents with permanent brain and nervous system damage. Propylene glycol monomethyl ether acetate: Overexposure to this material has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects mild, reversible kidney effects, nasal damage. This material has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain. When tested separately, a minor component of propylene glycol monomethyl ether acetate (2-methoxy-1-propyl acetate) caused birth defects in experimental animals in one study but not in another. However, the commercial grade acetate containing the minor component did not cause birth defects.

## 12. ECOLOGICAL INFORMATION

Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

## 13. DISPOSAL CONSIDERATIONS

The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

## 14. TRANSPORTATION INFORMATION

<b>DOT Proper Shipping Name:</b>	Flammable liquids, n.o.s. (acetone, n-butyl acetate)	<b>PACKING GROUP:</b>	II
<b>HAZARD CLASS:</b>	3	<b>GUIDE NUMBER:</b>	128
<b>UN NUMBER:</b>	UN 1993	<b>DOT CLASS:</b>	Flammable liquids, n.o.s.

## 15. REGULATORY INFORMATION

HAP content: 0.017 lbs/gal as ethyl benzene (CAS# 100-41-4) .0049 lbs./gal., xylene (CAS# 1330-20-7) .0009 lbs./gal., cumene (CAS# 98-82-8) .0116 lbs./gal.

## 16. OTHER INFORMATION

**HMS INFORMATION:**   **HEALTH:** 2   **FLAMMABILITY:** 3   **REACTIVITY:** 0   **PROTECTIVE:** H

### SARA Title III Information:

**SARA 302:** To the best of our knowledge, none of the chemicals in this product are listed as an Extremely Hazardous Substance under Section 302 of SARA Title III nor does this product contain any other such substances.

**SARA 311/312:** This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

**SARA 313:** xylene (CAS1330-20-7), cumene (CAS 98-82-8), ethyl benzene (CAS 100-41-4)

Solvent naphtha (petroleum), light aromatic is a complex stream of predominately C8 to C10 hydrocarbons; the exact composition and concentrations will vary. Contains naphthalene 0.3 - .10% weight.

California Proposition 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer. BENZENE.

**N/A = Not Applicable**

**NDA = No Data Available**

### Disclaimer

The information contained herein is based on the data available to us and is believed to be accurate. However, Tarr, Incorporated makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Tarr, Inc. assumes no responsibility for injuries from the use of the product described herein.