

**Material Safety Data Sheet**

May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

**PRODUCT IDENTITY – SECTION I**

**PRODUCT NAME:** ARCAL TIRE SHINE  
**CAS #:** See Below  
**MANUFACTURER:** Arcal Chemicals, Inc.  
**ADDRESS:** 223 West Hampton Avenue  
Capitol Heights, MD 20743

**EMERGENCY PHONE:** Chem Trec / 800-424 -9300  
**REVISION DATE:** 10/28/05  
**OTHER PHONE:** 301-336-9300  
**FAX:** 301-336-6597

**HAZARDOUS INGREDIENTS / OTHER COMPONENTS – SECTION II**

MATERIAL / CAS #	%	ACGIH (TLV – TWA)	OSHA (PEL -TWA)
t-BUTYL ACETATE/ CAS # 540-88-5	<50%	220 ppm	200 ppm
ACETONE/ CAS # 67-64-1	<30%	500 ppm	1000 ppm

**PHYSICAL DATA – SECTION III**

<b>APPEARANCE</b> Clear liquid	<b>ODOR</b> Grape	<b>MELT POINT</b> -	<b>SPECIFIC GRAVITY</b> 0.92
<b>VAPOR DENSITY</b> Heavier than air	<b>% VOLATILE BY VOLUME</b> ~75%	<b>BULK DENSITY</b> 7.7 lb/gallon	<b>BOILING POINT</b> 60 - 120° C
<b>VAPOR PRESSURE mmHg °f</b> 180 @ 70° F	<b>% SOLUBILITY (H2O)</b> 25%		

**FIRE AND EXPLOSION HAZARD DATA – SECTION IV**

<b>FLASH POINT &amp; METHOD:</b> - 4° F Calculated	<b>NFPA FIRE HAZARDS</b>  <b>HEALTH</b> <span style="border: 1px solid black; padding: 2px;">2</span>  <b>FLAMMABILITY</b> <span style="border: 1px solid black; padding: 2px;">3</span>  <b>REACTIVITY</b> <span style="border: 1px solid black; padding: 2px;">0</span>  <b>SPECIFIC</b> <span style="border: 1px solid black; padding: 2px;"> </span>
<b>FLAMMABLE LIMITS :</b>	
<b>EXTINGUISHING MEDIA:</b> Dry chemical, foam	
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Foam or dry chemical media should be used for large fires. Water spray of water fog may be used, but avoid direct stream.	
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> Low flash point. <b>DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:</b> Carbon monoxide and carbon dioxide. <b>EMPTY CONTAINER:</b> May contain volatile material or vapor. Vent away from fire or sparks.	4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT

## REACTIVITY DATA – SECTION V

**STABILITY:** Stable

**CONDITIONS TO AVOID:** High temperatures above boiling point (140°F, 60°C)

**INCOMPATIBILITY (MATERIAL TO AVOID):** Water

**HAZARDOUS DECOMPOSITION BY-PRODUCTS:** Burning of material may produce carbon monoxide and carbon dioxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** High temperatures, moisture.

## HEALTH HAZARD DATA – SECTION VI

**ROUTE(S) OF ENTRY:**

**INHALATION?** Yes

**SKIN?** Yes

**INGESTION?** Yes

**HEALTH HAZARDS (ACUTE AND CHRONIC):** Avoid vapor and mist, which may cause dizziness. Avoid skin contact to prevent de-fatting and dermatitis.

**CARCINOGENICITY:** **NTP?** No

**IARC Monographs?** No

**OSHA?** No

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Vapor or mist can cause headache or dizziness; Contact can increase skin irritation.

## EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:** Flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

**SKIN CONTACT:** Remove any contaminated clothing and flush skin thoroughly with water.

**INHALATION:** If overcome by vapor, remove from exposure.

**INGESTION:** If ingested, **DO NOT INDUCE VOMITING.** Call a physician immediately.

## PRECAUTIONS FOR SAFE HANDLING AND USE – SECTION VII

**STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area, avoid sparks and flame. Scatter oil absorbent and scoop up to prevent slip hazard.

**WASTE DISPOSABLE METHOD:** Excess material should be disposed of in accordance with local, state, and federal regulations.

**PRECAUTIONS TO TAKE IN HANDLING AND STORING:** Avoid sparks, flame, high temperature and ingress of moisture. Keep containers closed when not in use.

## CONTROL MEASURES – SECTION VIII

**RESPIRATORY OR BREATHING APPARATUS:** Use self-contained air in confined space. Avoid confined spaces.

**VENTILATION:** Use ventilation

**Local Exhaust:**  
**Mechanical:**

**Special:**  
**Other:**

**PROTECTIVE GLOVES:** Chemical resistant

**EYE PROTECTION:** Use goggles or face shield to prevent eye contact

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

## TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Flammable liquid, n.o.s. (acetone/butyl acetate), 3, UN1993, PG:II