

SAFETY DATA SHEET

New SDS.



Date Issued : 6/21/2013
MSDS No : SDA35A190
Date-Revised : 7/24/2013
Revision No : 1

Tarsol SDA 35-A 190**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Tarsol SDA 35-A 190**PRODUCT CODE:** SDA35A190**MOLECULAR FORMULA:** 2CH₅OH**MANUFACTURER**

Tarr, LLC

P.O. Box 12570

Portland, OR 97212

Service Number: 503-288-5294**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (US Transportation) :**(800) 424 - 9300**CANUTEC (Canadian Transportation) :**(613) 996 - 6666**2. HAZARDS IDENTIFICATION****HAZARD DESIGNATION****EEC LABEL SYMBOL AND CLASSIFICATION****GHS CLASSIFICATIONS****Physical**

Flammable Liquids, Category 3

GHS LABEL

Flame

WARNING

H303: May be harmful if swallowed.

PRECAUTIONARY STATEMENT(S)**Prevention:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: WARNING! Flammable liquid and vapor. Harmful or fatal if swallowed. Vapor harmful. May cause central nervous system depression. May be irritating to eyes and skin.

POTENTIAL HEALTH EFFECTS

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EYES: Liquid is mildly irritating to the eyes. High vapor concentrations may also be irritating.

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

INGESTION: Ingestion of excessive quantities may cause irritation of the digestive tract and signs of nervous system depression (headache, drowsiness, dizziness, loss of coordination and fatigue).

INHALATION: May cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Shortness of breathing, confused behavior, redness of skin, swelling of tissues, watery eyes, and nausea.

MEDICAL CONDITIONS AGGRAVATED: Preexisting diseases in or history of ailments involving skin, central nervous system, liver and kidney.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Ethanol	86 - 89	64-17-5	200-578-6
Water	6 - 8	7732-18-5	231-791-2
Ethyl Acetate	4 - 5	141-78-6	205-500-4

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation occurs or persists.

SKIN: Flush skin with water while removing contaminated clothing. If irritation occurs, get medical attention. Do not reuse clothing or shoes until cleaned.

INGESTION: If swallowed, give lukewarm water or milk (pint/ 1/2 litre) to drink if victim completely conscious/alert. DO NOT induce vomiting. Risk of damage to lungs exceeds poisoning risk. Obtain emergency room treatment immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

NOTES TO PHYSICIAN: Provide oxygen and/or ventilation assistance, if needed. Do not induce vomiting. However, if vomiting occurs spontaneously, maintain open airway. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IB flammable liquid.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and unidentified organic compounds may be formed during combustion.

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

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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.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: 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

GENERAL PROCEDURES: 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.

HANDLING: Open and handle container with care. Metal containers involved in the transfer of this material should be grounded and bonded.

STORAGE: Protect container against physical damage. Detached or outside storage is preferred. Inside storage should be in an NFPA approved flammable liquids storage room or cabinet. All ignition sources should be eliminated. Electrical installations should be in accordance with Article 501 of the National Electrical Code. NFPA 30, Flammable and Combustible Liquids Code, should be followed for all storage and handling. Consult local fire codes for additional storage information.

COMMENTS: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) 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; they may explode and cause injury or death.

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

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
Chemical Name		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Ethanol	TWA	1000	1900	1000	1884	400	980
	STEL					400	1,225
Ethyl Acetate	TWA	400 ^[1]	1400 ^[1]	400	1440	NL	NL
	STEL					NL	NL

OSHA TABLE COMMENTS:

1. US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910-1000)

ENGINEERING CONTROLS: General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.

PERSONAL PROTECTIVE EQUIPMENT

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EYES AND FACE: 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.

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

RESPIRATORY: If exposure may or does exceed occupational exposure limits (Sec. 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

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

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

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Alcohol odor.

APPEARANCE: Clear.

COLOR: Water-white.

pH: NA = Not Applicable

PERCENT VOLATILE: 100

FLASHPOINT AND METHOD: (55°F) to (60.8°F) Tag Closed Cup, ASTM D56

FLAMMABLE LIMITS: 3.3 vol% to 19 vol%

AUTOIGNITION TEMPERATURE: ~ (685.4°F)

VAPOR PRESSURE: 44.6 mm Hg @ 20 deg C

VAPOR DENSITY: Heavier than air.

BOILING POINT: (173°F) to (212°F)

FREEZING POINT: NDA = no data available.

SOLUBILITY IN WATER: Complete.

EVAPORATION RATE: Specific data not available - expected to be rapid.

DENSITY: 6.825

SPECIFIC GRAVITY: ~ 0.818 to 0.821 15.5°C/60°F

(VOC): ~ 92.750 % wt

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

POLYMERIZATION: Will not occur.

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CONDITIONS TO AVOID: Avoid heat, sparks, flame and contact with strong oxidizing agents. Do not store or handle in aluminum equipment at temperatures above 120 deg. F.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and unidentified organic compounds may be formed during combustion. There should be no decomposition if stored and applied as directed.

INCOMPATIBLE MATERIALS: Strong oxidizers.

11. TOXICOLOGICAL INFORMATION**CARCINOGENICITY**

Chemical Name	IARC Status
Ethanol	1

Notes: Carcinogenicity: ACGIH: A4 - not classifiable as a human carcinogen.

REPRODUCTIVE EFFECTS: Ethanol has been linked to birth defects in humans.

TARGET ORGANS: This product contains ethanol. Alcoholic beverage consumption has been associated with brain damage, heart damage, and pancreatitis in humans. The relevance of these findings to ethanol exposure in industrial environments is uncertain.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Soil: readily biodegrades, quickly evaporates, leaches into groundwater.

Water: readily biodegrades, evaporates to a moderate extent. Does not bioaccumulate.

Air: readily degrades by reaction with photochemically produced hydroxyl radicals, readily removed by dry and wet deposition, has a half-life between 1 and 10 days.

BIOACCUMULATION/ACCUMULATION: Does not bio-accumulate.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: 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.

EMPTY CONTAINER: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

RCRA/EPA WASTE INFORMATION: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Tarsol SDA 35-A 190**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Ethanol Solutions**PRIMARY HAZARD CLASS/DIVISION:** 3**UN/NA NUMBER:** UN 1170**PACKING GROUP:** II**NAERG:** 127**LABEL:** Flammable liquid**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Flammable Liquid

S15: Keep away from heat.

R7: May cause fire.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: To the best of our knowledge, this product is not listed as a toxic chemical under Section 313 of SARA Title III.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: To the best of our knowledge, this product is not listed as an extremely hazardous substance.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Ethyl Acetate	4 - 5	5,000 LBS.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS	TSCA SECTION
Water	7732-18-5	
Ethyl Acetate	141-78-6	12b,

TSCA STATUS: Listed.**CANADA**

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WHMIS HAZARD SYMBOL AND CLASSIFICATION



Flammable Liquid
R20: Harmful by inhalation.

EUROPEAN COMMUNITY

GENERAL COMMENTS: The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

16. OTHER INFORMATION

REASON FOR ISSUE: Updated SDS information and revised.

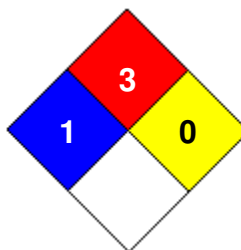
PREPARED BY: COMPLIANCE

REVISION SUMMARY: This MSDS replaces the 6/25/2013 MSDS. Revised: **Section 1: REASON FOR ISSUE.**

HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	3
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input checked="" type="checkbox"/>	

NFPA CODES



NFPA STORAGE CLASSIFICATION: These ratings are part of a specific hazard communication program and should be disregarded where individuals are not trained in the use of this hazard rating system. You should be familiar with the hazard communication programs applicable to your workplace.

HMIS RATINGS NOTES: The HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the SDS must be considered.

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