

SAFETY DATA SHEET



Date Issued : 07/22/2002
SDS No : TSD5200
Date Revised : 11/01/2019
Revision No : 10

DUP 5-200

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DUP 5-200
PRODUCT DESCRIPTION: Tarsol DUP 5-200
PRODUCT CODE: TSD5200
CHEMICAL FAMILY: Alcohol

MANUFACTURER

Tarr, LLC
P.O. Box 12570
Portland, OR 97212
Customer Service: 503-288-5294

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) : (800) 424 - 9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2
Eye Irritation, Category 2

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flame



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
H315 + H320: Causes skin and eye irritation.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

General:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P270: Do not eat, drink or smoke when using this product.

Prevention:

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P240: Ground and bond container and receiving equipment.

P233: Keep container tightly closed.

P243: Take action to prevent static discharges.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Storage:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P102: Keep out of reach of children.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P273: Avoid release to the environment.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: DANGER! Highly flammable liquid and vapor. Harmful or fatal if swallowed. Vapor harmful. May cause central nervous system depression. May be irritating to eyes, skin, nose, throat and respiratory tract.

POTENTIAL HEALTH EFFECTS

EYES: Material may cause eye irritation. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing, redness, swelling and eye damage.

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: Moderately toxic. May cause abdominal discomfort, nausea, vomiting, and diarrhea. Dizziness and drowsiness may occur.

INHALATION: Excessive exposure to this product may cause headache, CNS depression, drowsiness, dizziness, loss of appetite, irritation of the respiratory tract, drunkenness, unconsciousness, or death.

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
Ethanol	88 - 93	64-17-5
Isopropyl Alcohol	4 - 6	67-63-0
n-Propyl acetate	3 - 7	109-60-4

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash thoroughly with soap and water. Seek medical attention if redness, swelling, itching, or burning occurs.

INGESTION: DO NOT INDUCE VOMITING. Do not attempt to give anything by mouth to an unconscious person. If

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vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water fog, "alcohol" foam, dry chemical, or CO₂.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide 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. Vapors may travel considerable distance to a source of ignition and flash back.

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. Use water spray to disperse vapors - re-ignition is possible.

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. Dike around large spills to prevent spreading. Absorb small spills with inert material (clay, sand). Prevent contamination of surface waters.

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. Use in well ventilated areas.

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. Observe all federal, state, and local regulations and National Fire Protection Association (NFPA) Codes with pertain to the specific local conditions of stage and use, including OSHA 29 CFR 1910.106 and NFPA 30, 70, 77, and 497.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
		EXPOSURE LIMITS		
Chemical Name	Type		ppm	mg/m ³
Ethanol	OSHA PEL	TWA	1000	1900
	ACGIH TLV	TWA	1000	1884
	Supplier OEL	TWA	400	980
		STEL	400	1,225
n-Propyl acetate	OSHA PEL	TWA	200	840
	ACGIH TLV	TWA	200	835
		STEL	250	1040

ENGINEERING CONTROLS: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical safety goggles and 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.

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. Avoid prolonged or repeated breathing of vapors.

COMMENTS: 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

PHYSICAL STATE: Liquid

ODOR: Alcohol odor.

APPEARANCE: Clear. Liquid.

COLOR: Water-white.

pH: NA = Not Applicable

PERCENT VOLATILE: 100

FLASH POINT AND METHOD: (55°F) Tag Closed Cup, ASTM D56

LOWER EXPLOSION LIMIT: 1.71% Volume

UPPER EXPLOSION LIMIT: 19% Volume

DUP 5-200**AUTOIGNITION TEMPERATURE:** NA = Not Applicable**VAPOR DENSITY:** Heavier than air.**BOILING POINT:** (173°F) to (214°F)**FREEZING POINT:** NDA = no data available.**MELTING POINT:** Not yet Determined**SOLUBILITY IN WATER:** Soluble**EVAPORATION RATE:** Slower than ether.**DENSITY:** 6.641**SPECIFIC GRAVITY:** 0.79 to 0.8**(VOC):** 1**10. STABILITY AND REACTIVITY****REACTIVITY:** Yes**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** Avoid heat, sparks, flame and contact with alkalis and strong oxidizing agents. Do not store or handle in aluminum equipment at temperatures above 120 deg. F.**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, nitrogen oxides and unidentified organic compounds may be formed during combustion.**INCOMPATIBLE MATERIALS:** This product is incompatible with strong acids or bases, oxidizers, alkali metals, and halogens.**11. TOXICOLOGICAL INFORMATION****CARCINOGENICITY**

Chemical Name	IARC Status
Ethanol	1

IARC: None of the components in Tarsol DUP 5 200 Proof; Ethanol, 2-Propanol (Isopropyl Alcohol) or N-Propyl Acetate are classifiable as human carcinogens.**REPRODUCTIVE TOXICITY:** Ethanol has been linked to birth defects in humans.**STOT-SINGLE EXPOSURE:** 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:** Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** The preferred options for disposal are to send to facilities permitted for hazardous waste for incineration or landfilling. 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

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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.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Alcohols, N.O.S., (Ethanol, n-Propyl Acetate)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1987

PACKING GROUP: II

NAERG: 127

LABEL: Flammable liquid

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

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

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.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Ethanol	64-17-5
n-Propyl acetate	109-60-4

TSCA REGULATORY: This product is a mixture and each component is listed in the TSCA Inventory of Chemical Substances.

TSCA STATUS: None identified.

16. OTHER INFORMATION

REASON FOR ISSUE: Updated SDS information and revised.

PREPARED BY: Compliance **Date Revised:** 11/01/2019

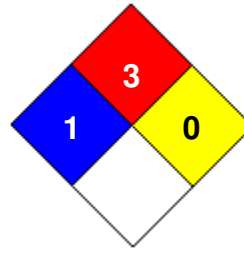
REVISION SUMMARY: This SDS replaces the 08/04/2015 SDS.

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HMIS RATING

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

NFPA CODES



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