

SAFETY DATA SHEET



Date Issued : 01/30/2015

MSDS No : 28243F

Date-Revised : 06/07/2016

Revision No : 2

FANOLA FUEL

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FANOLA FUEL**MANUFACTURER**

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

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Physical:**

Flammable Liquids, Category 2

GHS LABEL

Flame

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H225: Highly flammable liquid and vapour.
H313: May be harmful in contact with skin.
H303 + H333: May be harmful if swallowed or if inhaled.

PRECAUTIONARY STATEMENT(S)**General:**

P270: Do not eat, drink or smoke when using this product.

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240: Ground and bond container and receiving equipment.
P243: Take action to prevent static discharges.
P271: Use only outdoors or in a well-ventilated area.

Response:

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P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

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

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

Storage:

P102: Keep out of reach of children.

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

Disposal:

4160WT6Y: Dispose of contents/container to an approved waste disposal plant.

P273: Avoid release to the environment.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: DANGER! Highly Flammable liquid and vapor. Harmful or fatal if swallowed. Vapor harmful.

POTENTIAL HEALTH EFFECTS

EYES: Liquid is moderately irritating to the eyes. High vapor concentrations may also be irritating. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing, redness.

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: Irritating to the gastrointestinal tract, causing abdominal pain and vomiting, sometimes bloody. Ingestion may cause CNS depression, low blood pressure, rapid heart beat and liver damage.

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

INGREDIENT(S)	CAS	Vol. %
SDA 3C190		96 - 98
Acetone	67-64-1	1 - 3
Isopropyl acetate	108-21-4	1 - 3

See Section 8 for Exposure Limits

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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: Wash with soap and water for at least 15 minutes. Get medical attention, if irritation develops or persists.

INGESTION: DO NOT INDUCE VOMITING. Do not attempt to give anything by mouth to an unconscious person. If 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. If breathing is difficult, oxygen should be administered by qualified 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 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.

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.

COMMENTS: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or

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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)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Acetone	OSHA PEL	TWA	1000	2400
	ACGIH TLV	TWA	500	
		STEL	750	
Isopropyl acetate	OSHA PEL	TWA	250	950
	ACGIH TLV	TWA	100	
		STEL	200	

ENGINEERING CONTROLS: 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.

PERSONAL PROTECTIVE EQUIPMENT

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.

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.

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Solubility in Water	Specific Gravity
Acetone	-17.2	Miscible	0.797

PHYSICAL STATE: Liquid**ODOR:** Alcohol odor.**COLOR:** Clear, colorless liquid.**pH:** NA = Not Applicable**PERCENT VOLATILE:** 100**FLASHPOINT AND METHOD:** ~ (54°F)**FLAMMABLE LIMITS:** 0.02 to 0.19**VAPOR DENSITY:** Heavier than air.**BOILING POINT:** (173°F) to (180°F)**FREEZING POINT:** NDA = no data available.**MELTING POINT:** Not Determined**SOLUBILITY IN WATER:** Infinitely soluble**EVAPORATION RATE:** Slower than ether.**DENSITY:** 6.518**SPECIFIC GRAVITY:** 0.78 to 0.782**(VOC):** 6.508

10. STABILITY AND REACTIVITY

REACTIVITY: Yes**HAZARDOUS POLYMERIZATION:** Will not occur.**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:** This product is incompatible with strong acids or bases, oxidizers, alkali metals, and halogens.

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11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)
Acetone	5800 mg/kg (Rat)

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 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.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Ethanol Solutions

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1170

PACKING GROUP: II

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NAERG: 128

LABEL: Flammable liquid

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Flammable
Liquid

R7: May cause fire.

R66: Repeated exposure may cause skin dryness or cracking.

S20/21: When using do not eat, drink or smoke.

S23: Do not breathe gas/fumes/vapour/spray.

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.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

TSCA STATUS: None identified.

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION

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Flammable

Liquid

R40/20/22: Harmful : possible risk of irreversible effects through inhalation and if swallowed.

R7: May cause fire.

S1/2: Keep locked up and out of reach of children.

S23: Do not breathe gas/fumes/vapour/spray.

16. OTHER INFORMATION

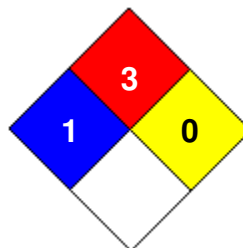
PREPARED BY: Compliance

REVISION SUMMARY: This MSDS replaces the 02/11/2015 MSDS. Revised: **Section 2: EMERGENCY OVERVIEW - IMMEDIATE CONCERNS.** **Section 14: DOT (DEPARTMENT OF TRANSPORTATION) (PRIMARY HAZARD CLASS/DIVISION, UN/NA NUMBER, PACKING GROUP, NAERG).** **Section 16: NFPA CODES - NFPA STORAGE CLASSIFICATION.**

HMIS RATING

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

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.

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