

Safety Data Sheet



SKYTEST

Section 1: Identification

Product Identifier Field Test Kit for Phosphate Ester Hydraulic Fluid

Product Name: SKYTEST

Product Code:

Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Hazard Communication & Compliance

Details of the supplier of the safety data sheet

Manufacturer TBM, INC.
8506 Herrington Court
Pevely, MO 63070
United States
fsptbm.com

Telephone (General) 800-825-1128

Fax 314-721-4519

Emergency telephone number

Manufacturer 800-424-9300 – CHEMTREC

Section 2: Hazard Identification

Classification of the substance or mixture

Label elements



Pictogram

Signal Word

Danger

Hazard statements

- H224** Extremely flammable liquid and vapour
- H304** May be fatal if swallowed and enters airways
- H315** Causes skin irritation
- H319** Causes serious eye irritation
- H335** May cause respiratory irritation
- H336** May cause drowsiness or dizziness
- H361d** Suspected of damaging the unborn child
- H372** Causes damage to organs through prolonged or repeated exposure

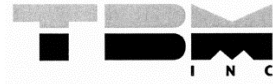
Precautionary statements

Use proper PPE when using this product.



NFPA

Safety Data Sheet



SKYTEST

Section 3: Composition/Information on Ingredients

Mixtures			OSHA	ACGIH	CARCINOGEN		
Component	CAS Number	% by Wt.	PEL	TLV	OSHA	NTP	IARC
Toluene	108-88-3	49	200P	50P	no	NO	Class 3
H224, H304, H319, H335, H336, H361d, H372				(skin)			
Isopropyl Alcohols	67-63-0	48	400P	400P	NO	NO	Class 3
H224, H319, H335, H336, H372				(STEL)		500P	
Naphtholbenzein	145-50-6	<1					
H224, H304, H315, H319, H335, H336, H361d, H372							
Alcoholic KOH	1310-58-3	<2					
H224, H304, H319, H335, H336							

NOTE: IARC Class 3 – Human Inadequate, Animal Inadequate Evidence.

Section 4: First-Aid Measures

Description of first aid measures

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Skin	Immediately flush skin with soap and water for at least fifteen minutes, while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.
Eye	Immediately flush eyes with plenty of water for at least fifteen minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Ingestion	Aspiration Hazard if swallowed. DO NOT INDUCE VOMITING. Get medical attention immediately. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

Most important systems and effects, both acute and delayed

Chronic toluene over exposure can cause anemia, decreased blood cell count and bone marrow damage, liver and kidney damage may occur.

Repeated and prolonged skin contact has a defatting action, causing redness and dermatitis.

A developing fetus can be affected.

Persons with pre-existing skin disorders or impaired liver, kidney, or pulmonary functions maybe more susceptible to the effects of this product.

Alcoholic beverage consumption can enhance the effects of toluene.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media

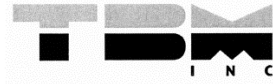
Dry chemical, alcohol foam, carbon dioxide, and water spray. (water may be used to keep fire exposed containers cool.)

Special hazards arising from the substance or mixture

Special Fire Fighting Equipment Procedures:

In the event of a fire, wear protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Vapors are heavier than air and

Safety Data Sheet



SKYTEST

may travel to an ignition source. This material is subject to electrostatic discharge and possible ignition. Above the flash point, vapor-air mixture is flammable within the limits noted.

Conditions to Avoid:

Heat, flame, ignition sources, and incompatibles.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Wear proper PPE as stated in Section 8

Environmental precautions

Do not flush liquid into sewer or drains.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

Small Spill: Absorb spillage with an inert absorbent, put in container for disposal.

Large Spill: ventilate area of leak or spill. Remove all ignition sources. Wear protective equipment specified in Section 8. Isolate area, keeping unnecessary personnel away and contain/recover liquid when possible. Use non-sparking tools. Collect liquid in appropriate containers or absorb with inert material such as dry sand, dirt or vermiculite. Do not use sawdust or combustible materials.

NOTE: U.S. Regulations (CERCLA) may require reporting spills and releases to the environment in excess of Reportable Quantities. The toll free number for the U.S. Coast Guard National Response Center is 1(800)424-8802.

Section 7: Handling and Storage

Precautions for safe handling

Handling Treat as a flammable liquid. Keep away from heat, sparks, and flame. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor. Avoid contact with skin and clothing. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Store in ambient air temperature (77 F), as well as a dry, well-ventilated area. Keep out of area where a fire hazard may exist. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be **NO SMOKING** areas. Use non-sparking tools. Containers may be hazardous when empty since they can retain harmful vapors and liquid.

Incompatibilities

Strong oxidizers, strong acids, chlorine, nitrogen tetroxide, acetaldehyde, hypochlorous acid, and isocyanates. Will attack some plastic, rubber, and coatings.

Section 8: Exposure Controls/Personal Protection

Personal Protective Equipment

Pictograms

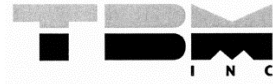


Respiratory

A half-face organic vapor respirator may be worn up to ten times the exposure limit. A full-face piece organic vapor respirators may be worn up to fifty times the exposure limit.

Warning! Air purifying respirators do not protect workers in oxygen deficient atmospheres. For emergencies, use a supplied-air respirator.

Safety Data Sheet



SKYTEST

- Eye/Face Use chemical safety goggles and/or full face shield where splashing is possible.
- Hands Wear chemical resistant gloves.
- Skin/Body Wear protective clothing, including boots, gloves, lab coat, and/or apron or coveralls as appropriate to prevent skin contact.
- Other Equipment
Safety shower, eye bath or washing facility should be nearby.

Section 9: Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description

Appearance	Blue Liquid	Pour Point (freezing point)	No Information
Odor	Aromatic/Alcoholic	Specific gravity (Water=1)	0.80-0.85
Evaporation Rate	2.88 IPA	pH-Value	Alkaline
Boiling Point	82C (180F) IPA	Vapor Pressure	44 @ 25C (77F) IPA
Percent Volatile by Volume	>99%	Vapor Density (Air = 1)	3.14 (Toluene)
Flash Point	(4-12C) (40-53F)	Water Solubility	Dispersible

Section 10: Stability and Reactivity

Chemical Stability

Stable under ordinary conditions of use and storage.

Possibility of Hazardous Reactions

Contact with strong oxidizers may cause fire and explosions.

Conditions to avoid

Heat, flame, ignition sources, and incompatibles

Incompatible materials

Strong oxidizers, strong acids, chlorine, nitrogen tetroxide, acetaldehyde, hypochlorous acid, and isocyanates.
Will attack some plastic, rubber, and coatings.

Hazardous decomposition products

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Section 11: Toxicological Information

Target Organs

Liver, Kidneys, Blood System, or Central Nervous System.

Route(s) of entry/exposure

Inhalation, Eyes, and Skin

Potential Health Effects

Inhalation

Irritates the respiratory tract. Symptoms include fatigue, confusion, headache, dizziness, and drowsiness. Exposure to high concentrations has a narcotic effect. Peculiar skin sensations (e.g. pins and needles) or numbness may be produced. Very high concentrations may cause unconsciousness and death.

Skin Causes irritation redness, and pain. May be absorbed through the skin with possible systemic effects.

Eye Vapors cause eye irritation. Splashes cause severe irritation with possible corneal burns and eye damage.

Ingestion Swallowing causes abdominal spasm, pain, nausea, vomiting, and diarrhea, plus symptoms paralleling those from inhalation. Aspiration into the lungs can cause chemical pneumonitis, which may be fatal.

Safety Data Sheet



SKYTEST

Section 12: Ecological Information

Toxicity

Hazardous polymerization will not occur.

Persistence and degradability

No Data Available

Bio accumulative potential

No Data Available

Mobility in Soil

No Data Available

Other Averse effect

No Data Available

Section 13: Disposal Considerations

Waste treatment methods

Product waste

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or waste disposal facility. Processing, use or contamination of this product may change the waste management options.

Packaging waste

Dispose of container and unused content in accordance with all Federal, State, and Local Regulations.

NOTE: U.S. Regulations (CERCLA) may require reporting spills and releases to the environment in excess of Reportable Quantities. The toll free number for the U.S. Coast Guard National Response Center is 1(800)424-8802.

Section 14: Transport Information

DOT

UN Number:	UN 1993
Proper Shipping Name:	Flammable Liquids, N.O.S.
Proper Technical name:	Toluene and Isopropyl Alcohol
Hazard Class:	3
Packing Group:	II

IATA

UN Number:	UN 1993
Proper Shipping Name:	Flammable Liquids, N.O.S.
Proper Technical name:	Toluene and Isopropyl Alcohol
Hazard Class:	3
Packing Group:	II

IMDG/IMO

UN Number:	UN 1993
Proper Shipping Name:	Flammable Liquids, N.O.S.
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Hazard Class:	3
Packing Group:	II

Safety Data Sheet



SKYTEST

Section 15: Regulatory Information

Safety, health, and environmental regulations/legislation specific for the substance or mixture

SARA Section 311/312 Hazard Categories:

Immediate Health Hazard, Chronic Health Hazard, Fire Hazard, Mixture/Liquid

SARA Section 313:

Yes for Toluene, see Section 3.

NOTE: Isopropyl Alcohol is SARA 313 listing only for manufacturers using the strong acid process. Supplier notification is not required for Isopropyl Alcohol

Section 16 – Other Information

Last Revision Date

01/15/2018

Preparation Date

8-9-13

Disclaimer/Statement of Liability

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Key to abbreviations

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program