

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Tri Tool Premium Air Tool Lubricant, Tri Tool Part Number 68-0022

GENERAL USE: Air Tool Lubricant

CHEMICAL NAME OR SYNONYMS: Petroleum Mixture

MANUFACTURER: Norton Petroleum Corporation
290 Possum Park Road
Newark DE 19711-3895
Emergency Telephone Number (302) 731-8220

2. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS NUMBER	WT. %
Base mineral oils:		>97
Contains one or more of the following base oils:		
Severely solvent refined heavy paraffinic petroleum oil	64741-88-4	
Severely hydrotreated heavy paraffinic distillate	64742-54-7	
Tricresyl phosphate	68952-35-2	<1.0
Di-t-butyl-p-cresol	128-37-0	<0.4
Acrylic copolymer	136453-5024P*	<0.01

* = CAS number registered in New Jersey as a Trade Secret
(See Section 8 for exposure guidelines)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Light brown oily liquid with characteristic odor. Not expected to cause a severe emergency.

EYE: This product is expected to be non-irritating.

SKIN: No significant adverse effects are expected.

INGESTION: No significant adverse effects are expected. However, any light paraffinic petroleum oil (component) can be harmful or fatal if swallowed and/or vomiting occurs because it can enter lungs and cause damage - pulmonary aspiration hazard.

INHALATION: No significant adverse effects are expected.

CHRONIC: None known.

4. FIRST AID MEASURES

EYE: Wash with water 15 minutes; consult physician. Remove contact lenses if worn.

SKIN: In case of skin contact, remove contaminated clothing and wash skin with soap and water until no odor remains. Launder or dry-clean clothing before reuse. Discard shoes and other leather articles saturated with the material.

If product is injected into or under skin, or into any part of the body, regardless of the appearance of the wound or it's size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high-pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of the injury.

INGESTION: If swallowed: If conscious, give two glasses water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest emergency treatment center or hospital.

INHALATION: Remove to source of fresh air. Contact physician if irritation or discomfort continues.

5. FIRE FIGHTING MEASURES

Flash Point and Method : > 340°F/171°C (ASTM D-93)

Flammability Limits : Not determined

Auto-ignition Temperature: Not determined

GENERAL HAZARD: None known.

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide (CO₂), foam, water fog.

FIRE FIGHTING INSTRUCTIONS: Water or foam may cause frothing. Water spray may be used to flush spills away from exposure. Prevent water runoff from fire control or dilution from entering streams, sewers or drinking water supply.

FIRE FIGHTING EQUIPMENT: Wear air supplied breathing equipment when fire fighting in enclosed spaces.

COMBUSTION PRODUCTS: Normal combustion forms CO₂, water vapor and may produce oxides of sulfur, nitrogen or phosphorous. Incomplete combustion can produce carbon monoxide.

NFPA/HMIS CLASSIFICATION

<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
0/0	2/2	0/0

(Hazard Ranking: 0 = least; 1 = slight; 2 = moderate; 3 = high; 4 = extreme) Values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (HMIS).

6. ACCIDENTAL RELEASE MEASURES

Clean up small spills using appropriate techniques such as absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases. This material is considered to be a water pollutant and releases of this product should be prevented from contaminating soil and water and from entering drainage and sewer systems.

U.S.A. regulations require reporting spills of this material that could reach any surface waters. The toll free number for the U.S. Coast Guard National Response Center is (800) 424-8802.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

SPECIAL PRECAUTIONS: Do not use pressure to empty drum or explosion may result. Empty containers may contain explosive vapors or dangerous residues. Do not cut, puncture, or weld on or near container. All labeled hazardous precautions must be observed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Needed if spraying or splashing.

SKIN PROTECTION: Avoid prolonged or frequently repeated skin contact. Skin contact can be minimized by wearing protective clothing. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Use chemically protective boots when necessary to avoid contaminating shoes. Launder contaminated clothing before reuse.

RESPIRATORY PROTECTION: None is needed under anticipated use with adequate ventilation.

ENGINEERING CONTROLS: Ventilate to keep airborne concentrations below recommended exposure limits.

VENTILATION: Ventilate to keep airborne concentrations below recommended exposure limits.

NOTE: Any product containing a substance for which OSHA has established a permissible exposure limit (PEL) is considered to be hazardous. OSHA has established a PEL of 5 mg/M³ for worker exposure to airborne mists of the mineral oil component of this product. The use of this product is not expected to result in the generation of workplace mists.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Color	: Light amber
Odor	: Lube oil
Odor Threshold	: Not determined (ppm)
Boiling Point	: > 600°F/316°C
Melting Point	: N/A
PH	: N/A at conc. N.D. G/L H ₂ O
Specific Gravity	: .86-.93 (water=1)
Packing Density	: N/A (kg/m ³)
Vapor Pressure	: < 1.0 (mm Hg @ 20° C)
Vapor Density	: > 8 (air=1)
% Volatiles by Volume	: 1000 x slower (Ethyl ether=1)
Octanol/Water Coeff.	: Not determined
Viscosity at 40°C	: > 18 cSt
Viscosity at 100°C	: > 3.5 cSt
Molecular Weight	: > 360 (g/mole)

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: Burning or excessive heating may produce hydrogen sulfide, mercaptans and oxides of carbon, sulfur, nitrogen, or phosphorous. Incomplete combustion can produce carbon monoxide.

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Do not heat above flash point.

INCOMPATIBILITY (MATERIALS TO AVOID): May react with strong acids, alkalis, and oxidizers such as liquid chlorine and oxygen.

HAZARDOUS POLYMERIZATION: Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: No data available to indicate any component present at greater than 0.1% may present a carcinogenic hazard.

The base oils in this product are severely solvent refined and/or severely hydrotreated.

12. ECOLOGICAL INFORMATION

No data given.

13. DISPOSAL CONSIDERATIONS

Dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at the time of disposal. Contact local environmental authorities for approved disposal.

14. TRANSPORT INFORMATION

DOT Shipping Name : Petroleum Lubricating Oil (Not a DOT Hazardous material)
DOT Hazard Class : Not regulated.
DOT Identification Number : Not regulated.
DOT Packing Group : Not regulated.
IMDG - Proper shipping name : Not available
IATA - Proper shipping name : Not available

15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): All components are listed in the U.S. TSCA Inventory.

CERCLA HAZARDOUS SUBSTANCES: None known

SARA 311 CATEGORIES:

Immediate (acute) health effects	NO
Delayed (chronic) health effects	NO
Fire Hazard	NO
Sudden release of pressure hazard	NO
Reactivity Hazard	NO

16. OTHER INFORMATION

NEW JERSEY RTK (Right to Know) LABELS: Section 2 lists the largest weight % components in descending order.

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1).

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