

# GHS - SAFETY DATA SHEET

MATERIAL NAME: Medium Volatility Noack Reference Oil – NCO-12

Date 2019/06/03

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL NAME AND SYNONYMS: Petroleum Lubricating Oil  
 CHEMICAL FAMILY: Petroleum Hydrocarbon  
 COMPANY: Tannas Co. / SavanTech (a division of Savant, Inc.)  
 ADDRESS: 4800 James Savage Road, Midland, MI 48642 USA  
 Emergency Phone Tel. 989-496-2309 Fax. 989-496-3438

## SECTION 2: HAZARDS

GHS Classification:

Health	Environmental	Physical
Skin Corrosion/Irritation Category 3		
Aspiration Hazard Category 1		
Eye Effects Category 2B		

GHS Label:

Symbols:



Signal Word: **WARNING!**

### Hazard Statements:

May cause minor skin irritation.  
 May cause nausea and diarrhea if ingested.  
 May cause mild eye irritation.  
 May be harmful if inhaled.

### Precautionary Statements:

Avoid prolonged or repeated contact with skin.  
 Wash hands and forearms thoroughly after handling.  
 This material is not listed as a carcinogen by IARC, NTP or OSHA. Used oil has been shown to cause skin cancer in laboratory animals continually exposed by repeated applications. Avoid prolonged or repeated skin contact with used oil.  
 Wear protective gloves and protective clothing.  
 Keep containers closed when not in use.  
 Do not handle or store near heat, sparks, flame or strong oxidants.  
 Minimize breathing vapor, mist or fumes.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS-No.	Percent
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	0-100*
Residual oils (petroleum), solvent refined	64742-01-4	0-100*
Residual oils (petroleum), hydrotreated	64742-57-0	0-100*
Residual oils (petroleum), solvent dewaxed	64742-62-7	0-100*
Lubricating oils (petroleum), C>25 hydrotreated bright stock	72623-83-7	0-100*
Lubricating oils, petroleum, hydrotreated spent	64742-58-1	3-100*
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	0-40
Gas oils, petroleum, vacuum, hydrocracked, hydroisomerized hydrogenated, C15-30, branched and cyclic, high viscosity index	178603-64-0	0-45
Gas oils, petroleum, vacuum, hydrocracked, hydroisomerized hydrogenated, C20-40, branched and cyclic, high viscosity index	178603-65-1	0-45
Gas oils, petroleum, vacuum, hydrocracked, hydroisomerized hydrogenated, C25-55, branched and cyclic, high viscosity index	178603-66-2	0-45
Mineral Oil	Not Available	4-24

Hydrotreated Paraffinic Base Oil	64742-58-1	0-20
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	0-26
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	0.25-1.5

\*The range varies with each batch of the product.

#### SECTION 4: HEALTH HAZARD INFORMATION

Eye Contact:	Flush with water for 15 minutes. If irritation continues, contact a physician.
Skin Contact:	Wash skin thoroughly with soap and water. Launder soiled clothing.
Inhalation:	Although inhalation of this material is unlikely, if respiratory discomfort occurs or irritation develops due to inhalation of oil mist, move person to fresh air. Contact a physician if discomfort or irritation continues.
Ingestion:	If material is swallowed, give 2 glasses of water and DO NOT induce vomiting. Contact a physician.

#### SECTION 5: FIRE AND EXPLOSION DATA

Suitable Extinguishing Media:	Carbon dioxide, dry chemical, foam, water fog.	HMIS	NFPA		
Unsuitable Extinguishing Media:	Water spray or stream.	Health	1	1	0-Minimal
Exposure Hazards:		Fire	1	1	1-Slight
		Reactivity	N/A	0	2-Moderate
		Physical Hazard	0	N/A	3-Serious
		Specific Hazard	--	--	4-Severe

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental Precautions:	Prevent spreading over a wide area by containment or oil barriers. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Materials and Methods for Clean up:	Absorb large spills with commercially available absorbent materials such as absorbent clay, sand, silica gel, acid binder, universal binder, sawdust, etc.

#### SECTION 7: STORAGE AND HANDLING

Handling:	Minimize breathing vapor, mist or fumes.
	Avoid prolonged or repeated contact with skin.
	Cleanse skin thoroughly after contact, before breaks and meals, and at the end of the work period.
	Product is readily removed from skin by washing thoroughly with soap and water.
Storage:	Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material.
	Keep containers closed when not in use and store in a cool, dry, ventilated area.
Other precautions:	Do not handle or store near heat, sparks, flame or strong oxidants.
	Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

#### SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory protection:	If exposure exceeds TLV, use appropriate NIOSH approved respiratory protection.
Ventilation:	Needed only if unusual operating conditions create concentrations in excess of TLV.
Local Exhaust:	Use to carry vapor, mists, or fumes if necessary.
Special:	Avoid smoking or open fire. Eliminate sources of ignition in vicinity of spilled material.
Protective gloves:	Use chemical-resistant gloves if needed to avoid prolonged exposure or repeated skin contact.
Eye protection:	Use splash goggles or face shield when eye contact may occur.
Other protective equipment or precautions:	Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

#### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber Liquid	Specific Gravity:	~ 0.88 g/cm <sup>3</sup>
Odor:	Petroleum odor	Evap. Rate (Butyl Acetate = 1):	N/D
Boiling point:	(>) 475°F / 246°C	Volatiles, % by Volume:	N/D

Vapor pressure at 40°C (mm Hg):	<0.01	Molecular Weight:	N/D
Vapor density (Air = 1):	>1		
Water solubility:	Insoluble		
Flashpoint:	>380°F minimum ASTM D92 (193°C)		
Autoignition Temp:	N/D		
Flammability Limits in Air:	N/A		

#### SECTION 10: CHEMICAL STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to avoid:	High temperatures and open flames
Incompatibility (materials to avoid):	Strong oxidizing agents.
Hazardous decomposition products:	May produce oxides of carbon.
Hazardous Polymerization:	Will not occur

#### SECTION 11: TOXICOLOGY INFORMATION

Acute symptoms and effects:

Inhalation:	Breathing mineral oil mists at levels above TLV may cause respiratory irritation and possible discomfort. Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs that may progress to pulmonary fibrosis. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.
Eye Contact:	May cause minor eye irritation.
Skin Contact:	Material expected to cause no more than minor skin irritation following prolonged or repeated contact.
Ingestion:	Not expected to be acutely toxic by ingestion. Abdominal discomfort, nausea and diarrhea may occur.
Medical Conditions Aggravated by Exposure:	None known.
Acute Oral Toxicity:	Rat – LD50 > 2000 mg/kg
Acute Dermal Toxicity:	Rabbit – LD50 > 2000 mg/kg TLV Oil mist mineral - TWA 5 mg/M3 ACGIH

#### SECTION 12: ECOLOGICAL INFORMATION

Persistence and degradability:	Expected to be not readily biodegradable. Product contains components that may persist in the environment.
Bioaccumulative potential:	Contains components with the potential to bioaccumulate.
Mobility in Soil:	Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.
Other Adverse Effects:	Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

Keep out of sewers, drainage areas and waterways. Report spills and releases as applicable under federal and state regulations.

#### SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Methods:	Place contaminated material in disposable containers and bury in an approved landfill site per local, state and federal regulations.
-------------------------	--

#### SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT: Not Dangerous Goods	IMDG: Not Dangerous Goods	TDG: Not Dangerous Goods
IATA: No Classification Assigned		

#### SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations

U.S. TSCA Listed: Yes  
EPCRA 311/312/313 Categories: Immediate (Acute) Health Effects – No  
Delayed (Chronic) Health Effects – No  
Fire Hazard – No  
Sudden Release of Pressure Hazard – No  
Reactivity Hazard – No  
DSL Listed Yes

**SECTION 16: OTHER INFORMATION**

SDS Revision Date: 2019, June 3<sup>rd</sup>

---

*Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, **SAVANTECH or Savant, Inc.** extend no warranties, make no representations and assume no responsibility as to accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use.*