## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Mixture
**Product Name:** PureSYN Trans 40
**Product Grades/Codes**:
PureSYN Trans 40 – 1313363618 (Tote), 1313363630 (Drum), 1313363640 (Keg), 1313363650 (Pail)

**Synonyms:** Automatic Transmission Fluid

### 1.2. Intended Use of the Product

Automatic Transmission Fluid

### 1.3. Company Identification

North American Lubricants Company
7337 E. Doubletree Ranch Road, Suite 180
Scottsdale, AZ 85258
(800) 430-6252
www.nalube.com

### 1.4. Emergency Telephone Number

**Emergency Number** : CHEMTREC: (800) 424-9300 or (703) 527-3887

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. OSHA/HCS Status:

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### 2.2. Classification(s):

Not Classified

### 2.3. Signal Word:

No Signal Word

### 2.4. Symbol(s):

Not Available

### 2.5. Hazard Statement(s):

No known significant effects or critical hazards

### 2.6. Precautionary Statement(s):

Not Available

**Hazard Rating**

| | HMIS |
|---|---|
| Health: | 1 |
| Flammability: | 1 |
| Reactivity: | 0 |
| Personal Protection: | B |

### 2.7. General Precautionary Statement(s):

Keep out of reach of children.

Read label before use.

Wash skin thoroughly after handling.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.

### 2.8. Prevention Precautionary Statement(s):

Not Applicable

### 2.9. Response Precautionary Statement(s):

Not Applicable

### 2.10. Storage Precautionary Statement(s):

Store in a dry place.
Store in a closed container.

### 2.11. Disposal Precautionary Statement(s):

Dispose of contents/containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

### 2.12. Other Hazards Which Do Not Result in Classification:

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Component Listing:

| Chemical Name | Amount | CAS Number |
|---|---|---|
| Synthetic Base Oil | 0 – 75% | Various |
| Proprietary Ingredients | < 40% | Mixture |

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**Ingestion:** Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** No known significant effects or critical hazards.

**Inhalation:** Overexposure may be irritating to the respiratory system.

**Skin Contact:** Repeated or prolonged skin contact may cause irritation.

**Eye Contact:** Direct contact with the eyes is likely irritating.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** No known significant effects or critical hazards.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special Hazards Arising from the Substance or Mixture

**Flammable Properties:** Flash Point (Typical) Method: 238 °C (460 °F)

**NFPA Flammability Classification:** NFPA Class-IIIB combustible material.

**Flammable Limits in Air:** LEL: N/A  UEL: N/A

**Extinguishing Media:** Carbon dioxide, water fog, foam, or dry powder. Do not use water, because this product is oil based. Water or foam may cause frothing.

**Fire and Explosion Hazards:** Can burn in fire, releasing toxic vapors, fumes, and smoke.

**Combustion Products:** Hazardous decomposition products are oxides of carbon and nitrogen including CO and CO2.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products**: Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.

**Other Information:** Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Handling (Personnel):** 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.
Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

**Handling (Physical Aspects):** Secure container after each use. Store in a cool, dry area.

Avoid contact with strong oxidizing agents.

**Additional Hazards When Processed:** Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Storage Precautions:** Store in a cool dry place, in a tightly closed container. Eliminate all sources of ignition – heat, sparks, flame, electricity, impact, and friction.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

Automatic Transmission Fluid

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Occupational Exposure Limits

| Material | Source | Type | mg/m3 |
|---|---|---|---|
| Highly Refined Base Oil | ACGIH TLV | TWA (Inhalable fraction) | 5 mg/m3 |
| Highly Refined Base Oil | NIOSH REL | TWA (Mist.) | 5 mg/m3 |
| Highly Refined Base Oil | NIOSH REL | STEL (Mist.) | 10 mg/m3 |
| Highly Refined Base Oil | OSHA PEL | TWA | 5 mg/m3 |

### 8.2. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Protective goggles. Gloves. Insufficient ventilation: wear respiratory protection.

**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Consumer Exposure Controls:** Do not eat, drink or smoke during use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

| | |
|---|---|
| Form | Liquid |
| Odor | Mild Petroleum |
| Vapor Pressure | Less than 0.1 mm Hg at 68 °F (20 °C) |
| Vapor Density | Heavier than air (Air = 1) |
| Autoignition Temperature | Not Available |
| Specific Gravity | .8488 Approximately |
| Density | 7.07/lb Approximately |
| Melting PT. | Not Determined |
| Viscosity | 14.8 cSt at 100 °C |
| Flash PT. | 460 °F |
| Pour PT. | -45 °F |

## SECTION 10: STABILITY AND REACTIVITY

**10.1.** **Reactivity:** Hazardous reactions will not occur under normal conditions.

**10.2.** **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**10.3.** **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**10.4.** **Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

**10.5.** **Incompatible Materials:** Strong oxidizing agents.

**10.6.** **Hazardous Decomposition Products:** Hazardous decomposition not expected to occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects - Product

**General Information:** Based on data on the components and the toxicology of similar materials.

**Routes of Entry:** Skin, eyes, ingestion, and inhalation.

### 11.2 Acute Exposure:

**Eye Irritation:** Not expected to cause eye irritation. Based on data from components or similar materials. Vapors may cause irritation.

**Skin irritation:** Slightly irritating based on data from components or similar materials. Prolonged or repeated skin contact without proper hygiene may result in skin disorders such as acne.

**Respiratory Irritation:** Based on data from components and similar materials, inhalation of vapors or mists may cause irritation.

**Dermal Toxicity:** Expected to be of low toxicity: LD50 > 5000 mg/kg, Rabbit

**Oral Toxicity:** Expected to be of low toxicity: LD50 >5000 mg/kg, Rat

**Inhalation Toxicity:** Based on data from components and similar materials, product is not considered to be an inhalation hazard under normal conditions of use.

**Sensitization:** Component concentrations in this formulation would not be expected to cause skin sensitization, based on tests of the components or similar formulations.

### 11.3 Chronic Exposure:

**Chronic Toxicity:** No data available to indicate product or components present at greater than 1% are chronic health hazards.

**Carcinogenicity:** Product contains mineral and/or synthetic oils shown to be noncarcinogenic in laboratory studies with the same or similar materials. Mineral and synthetic oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

**Mutagenicity:** No data available to indicate product or any components resent at greater than 0.1% are mutagenic or genotoxic.

**Reproductive Toxicity:** No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

**Teratogencity:** No data available to indicate either product or components present at greater than 0.1% that may cause birth defects.

**Additional Information:** No other health hazards known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Environmental Hazards:

Ecological Toxicity data has not been determined specifically for this product. The ecological toxicity hazard is based on an evaluation of data for the components or a similar material. This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

### 12.2 Environmental Fate

This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. This product contains components which may be persistent in the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment Methods

**Sewage Disposal Recommendations:** Do not empty into drains; dispose of this material and its container in a safe way. Do not empty into drains. Do not dispose of waste into sewer.

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## SECTION 14: TRANSPORT INFORMATION

**14.1. In Accordance with DOT** Not regulated for transport

**14.2. In Accordance with IMDG** Not regulated for transport

**14.3. In Accordance with IATA** Not regulated for transport

**14.4. In Accordance with TDG** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

**15.1. OSHA Hazard Communication Standard:**

The classification of this material is based on OSHA HCS 2012 criteria.

| | |
|---|---|
| United States Inventory (TSCA) | All components are listed or exempted. |
| Canada Inventory | All components are listed or exempted. |
| Europe Inventory | All components are listed or exempted. |
| Japan Inventory (ENCS) | All components are listed or exempted. |
| Australia Inventory (AICS) | All components are listed or exempted. |
| Korea Inventory (KECI) | All components are listed or exempted. |
| China Inventory (IECSC) | All components are listed or exempted. |
| Philippines Inventory (PICCS) | All components are listed or exempted. |

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 01/20/2020

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**Party Responsible for the Preparation of This Document**

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. North American Lubricants Company assumes no responsibility for injury from the use of the product described herein.*

North America GHS US 2012 & WHMIS 2