



## SAFETY DATA SHEET

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Revision Number 1

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE

#### GHS product identifier

**Product Name** Part numbers with LAPC prefix or AN30. Exm. LAPC-081653

#### Other means of identification

**Synonyms** PRODUCT IDENTIFIER SDS079

#### Recommended use of the chemical and restrictions on use

**Recommended Use** Process Paste for Lapping

**Uses advised against** No information available

#### Supplier's details

##### Supplier Address

Sunnan Products 7910 Manchester Saint Louis, MO 63143 314-781-2100

Website: www.sunnan.com

##### Emergency telephone number

##### Emergency Telephone

##### Number

1 (314) 781-2100 8 a. m. - 3 p.m. C.S.T (US)

Email: SDS@sunnan.com

### 2. HAZARDS IDENTIFICATION

#### Classification

##### **Not classified**

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

#### GHS Label elements, including precautionary statements

#### Emergency Overview

The product contains no substances which at their given concentration are considered to be hazardous to health.

**Appearance** Solid/Paste

**Physical State** Paste

**Odor** Oily

#### Precautionary Statements

##### Prevention

- None

##### General Advice

- None

##### Storage

- None

##### Disposal

- None

##### Hazard Not Otherwise Classified (HNOC)

Not applicable

##### Other information

Skin or eye contact may cause irritation.

84% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms** PRODUCT IDENTIFIER SDS079

Chemical Name	CAS-No	Weight %	Trade secret
Petroleum distillates,	64742-53-6	*	*
White mineral oil	8042-47-5	*	*
Diamond	7782-40-3	*	*
Aluminum Oxide	1344-28-1	*	*
Titanium Dioxide	13463-67-7	*	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### Description of necessary first-aid measures

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation persists.

**Skin Contact** Wash skin with soap and water. Get medical attention if irritation persists. Remove and wash contaminated clothing before re-use.

**Inhalation** Move to fresh air in case of accidental inhalation of vapors. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

**Ingestion** Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician immediately.

### Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** No information found.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CO<sub>2</sub>, Dry Chemical, Foam

**Unsuitable Extinguishing Media** water spray

### Specific Hazards Arising from the Chemical

#### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Wear appropriate protective clothing. Wash thoroughly after handling.

### Environmental Precautions

**Environmental Precautions** See Section 12 for additional Ecological Information.

### Methods and materials for containment and cleaning up

**Methods for Containment** Dike far ahead of spill for later disposal.

**Methods for Cleaning Up** Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Wear personal protective equipment. Use only in ventilated areas. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Avoid wearing clothing soaked with fluid. Remove and wash contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep container tightly closed. Store locked up.

**Incompatible Products** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** Using proper engineering controls (local ventilation) normal lapping operations should not generate mists or dusts at the operator's breathing zone. This product could be considered a metalworking fluid (MWFs). Currently two OSHA air contaminant permissible exposure limits apply to MWFs. They are 5 mg/m<sup>3</sup> for an 8 hr. time weighted average (TWA) for mineral oil mist and 15 mg/m<sup>3</sup> (8hr. TWA) for Particulates Not Otherwise Classified (PNOC) [applicable to all other metalworking fluids].

The American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit value (TLV) for mineral oil is 5 mg/m<sup>3</sup> for an 8 hr. TWA and 10 mg/m<sup>3</sup> for a 15 minute short term exposure limit (STEL).

In 1998, The National Institute for Occupational Safety and Health (NIOSH) published a criteria document which recommended an exposure level (REL) for MWF aerosols of 0.4 mg/m<sup>3</sup> for thoracic particulate mass as a TWA concentration for 10 hours per day during a 40 hr. work week. Because of the limited availability of thoracic samplers, measurement of total particulate mass is an acceptable substitute. The thoracic particulate value corresponds to 0.5 mg/m<sup>3</sup> for total particulate mass.

In 1999, the OSHA Metalworking Fluids Standards Advisory Committee recommended a new 8 hr. TWA PEL of 0.4 mg/m<sup>3</sup> thoracic particulate (0.5 mg/m<sup>3</sup> total particulate).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light naphthenic 64742-52-5	5 mg/m <sup>3</sup> (as oil mist) 2 mg/m <sup>3</sup> (inhalable)	5 mg/m <sup>3</sup> (as oil mist)	N
White mineral oil 8042-47-5	5 mg/m <sup>3</sup> (as oil mist) 2 mg/m <sup>3</sup> (inhalable)	5 mg/m <sup>3</sup> (as oil mist)	N
Diamond 7782-40-3	10 mg/m <sup>3</sup> TWA (inhalable particles, recommended); 3 mg/m <sup>3</sup> TWA (respirable particles, recommended).	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	N
Aluminum Oxide 1344-28-1	10 mg/m <sup>3</sup> TWA (inhalable particles, recommended); 3 mg/m <sup>3</sup> TWA (respirable particles, recommended).	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	N
Titanium Dioxide 13463-67-7	10 mg/m <sup>3</sup> TWA (inhalable particles, recommended); 3 mg/m <sup>3</sup> TWA (respirable particles, recommended).	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	N

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life and Health.

### **Appropriate engineering controls**

#### **Engineering Measures**

Ensure that eyewash stations and safety showers are close to the workstation. Local ventilation is required. Do not operate machine in an unventilated area. Use local ventilation if strong odors or oil mist is detected.

#### **Individual protection measures, such as personal protective equipment**

##### **Eye/Face Protection**

Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.

##### **Skin and Body Protection**

Skin protection is not normally required for short exposures when operating machine. If any symptoms of skin irritation are experienced, use protective gloves to avoid exposure.

##### **Respiratory Protection**

In case of mist, spray or aerosol exposure wear suitable personal respiratory

##### **Hygiene Measures**

Provide regular cleaning of equipment, work area and clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

#### **Physical State**

Solid / Paste

#### **Appearance**

#### **Odor**

Oily

**Odor Threshold** No information

#### **Property**

#### **Values**

pH

No data available

Melting Point/Range

No data available

Boiling Point/Range

No data available

Flash Point

>370°F

Evaporation rate

No data available

Flammability (solid,gas)

No data available

Flammability Limits in Air

No data available

<b>Upper flammability limit</b>	No data available
<b>Lower flammability limit</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Specific Gravity</b>	No data available
<b>Water Solubility</b>	Partial
<b>Solubility in other solvents</b>	Partial
<b>Partion coefficient: n-octanol/water</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>flammable Properties</b>	No data available
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available
<b>Other Information</b>	No data available
<b>VOC Content</b>	No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition. Avoid accumulation of contaminated towels, rags or other insulating absorbent fibrous media.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

Carbon oxides. Sulfur oxides

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation** None under normal use condtions.

**Eye Contact** May cause irritation. Oil mists containing small metal filings may cause mechanical irritation.

**Skin Contact** May irritate the skin.

**Ingestion** Not an expected route of exposure.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The classification listed below for the petroleum distillates in this product pertains to those that contain more than 3% DMSO extract as measured by IP 346. The petroleum distillates in this product do not meet that criteria to be classified as carcinogens.

Chemical Name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated light naphthenic	A2	Group 1		X
Titanium Dioxide		Group 2B		

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans Group 2B Possibly Carcinogenic to Humans

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**Reproductive Toxicity** No information available.**STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Aspiration Hazard** No information available.**Numerical measures of toxicity - Product****Acute Toxicity** 21% of the mixture consists of ingredient(s) of unknown toxicity.**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Petroleum distillates, hydrotreated light naphthenic 64742-53-6		LC50 96 h: >5000mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)

The environmental impact of this product has not been fully investigated.

**Persistence and Degradability** No information available.**Bioaccumulation** No information available.

Chemical Name	Log Pow
Petroleum distillates, hydrotreated light naphthenic	> 3.5

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Do not re-use empty containers.**14. TRANSPORT INFORMATION****DOT** Not regulated**TDG** Not regulated**MEX** Not regulated**15. REGULATORY INFORMATION****International Inventories****TSCA** Complies**DSL** Complies**Legend****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories****Acute Health Hazard** No**Chronic Health Hazard** No**Fire Hazard** No**Sudden Release of Pressure Hazard** No**Reactive Hazard** No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations**

**California Proposition 65**

This product may contain small amounts of Titanium Dioxide. Titanium Dioxide is a chemical known to the state of California to cause cancer or birth defects or other reproductive harm.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Petroleum distillates, hydrotreated light naphthenic		X	

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

**NFPA Health Hazard 0 Flammability 1 Instability 0 Physical and Chemical Hazards -**

**HMIS**

**Health Hazard 0 Flammability 1**

**Physical Hazard 0 Personal Protection B** safety glasses/gloves

**Prepared By** C. Korn

**Revision Date** Original 4-Dec-2014

**Revision Note** No information available.

**General Disclaimer**

**NOTICE**

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