

## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name            Paraffin, liquid  
CAS number             8012-95-1  
Synonyms                Mineral oil; Nujol

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

Identified uses            Laboratory chemicals.

#### 1.3 Details of the supplier of the safety data sheet

Company                    Lab Alley, LLC  
                                  12501 Pauls Valley Road  
                                  Austin, Texas 78737  
                                  U.S.A.  
  
Telephone                 512-668-9918  
Fax                            512-886-4008

#### 1.4 Emergency telephone

**Emergency Phone #**            US & Canada: 1-800-535-5053            INFOTRAC  
   International 1-352-323-3500            INFOTRAC

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Serious Eye Damage/Eye Irritation            Category 2

#### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Warning

Hazard statements

Causes serious eye irritation.

Precautionary statements

Prevention: Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection.

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

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None identified.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

| Chemical name     | Common name and synonyms | CAS number | Concentration |
|-------------------|--------------------------|------------|---------------|
| Oil mist, mineral | Paraffin oil; Nujol      | 8012-95-1  | >95%          |

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

#### If inhaled

Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.

#### In case of skin contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

#### In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

#### If swallowed

Do NOT induce vomiting. Get medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Chemical foam.

**Unsuitable extinguishing media** No information available.

### 5.2 Specific hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

### 5.3 Special 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.

### 5.4 Further information

**Flash Point** 218 °C / 424.4 °F

**Autoignition Temperature** No information available.

#### Explosion limits

**Upper** No data available.

**Lower** No data available.

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** No information available.

#### NFPA

| Health | Flammability | Instability | Physical hazards |
|--------|--------------|-------------|------------------|
| 2      | 1            | 0           | N/A              |

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Ensure adequate ventilation. Avoid contact with eyes.

## 6.2 Environmental precautions

See Section 12 for additional Ecological Information.

## 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Do not let this chemical enter the environment.

## 6.4 Reference to other sections

See Section 2 for full list of hazard and precaution statements.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

### Precautions on safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with eyes.

### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage conditions

Keep in a dry, cool, and well-ventilated place. Keep container tightly closed.

### Incompatibilities

Strong oxidizing agents.

# SECTION 8: Exposure controls/personal protection

## 8.1 Occupational exposure limits

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Component         | Type | Value               |
|-------------------|------|---------------------|
| Oil mist, mineral | TWA  | 5 mg/m <sup>3</sup> |

### US. ACGIH Threshold Limit Values

| Component         | Type | Value               |
|-------------------|------|---------------------|
| Oil mist, mineral | TWA  | 5 mg/m <sup>3</sup> |

### US. NIOSH: Pocket Guide to Chemical Hazards

| Component         | Type | Value                  |
|-------------------|------|------------------------|
| Oil mist, mineral | IDLH | 2500 mg/m <sup>3</sup> |
|                   | TWA  | 5 mg/m <sup>3</sup>    |

|  |      |          |
|--|------|----------|
|  | STEL | 10 mg/m3 |
|--|------|----------|

**Biological occupational exposure limits**

No information available.

**8.2 Exposure controls**

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

**Eye/face protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin protection**

Wear appropriate protective gloves and clothing to prevent skin exposure.

**Body Protection**

Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory protection**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Control of environmental exposure**

No information available.

**SECTION 9: Physical and chemical properties**

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

|                      |                            |
|----------------------|----------------------------|
| Physical State       | Liquid                     |
| Appearance           | Colorless                  |
| Odor                 | Odorless                   |
| Odor Threshold       | No information available   |
| pH                   | No information available   |
| Melting Point/Range  | -24 °C / -11.2 °F          |
| Boiling Point/Range  | 300 °C / 572 °F @ 760 mmHg |
| Evaporation Rate     | No information available   |
| Flammability (solid) | Not applicable             |

|   |                          |
|---|--------------------------|
| Flammability or explosive limit           | No data available        |
| Upper                                     |                          |
| Lower                                     |                          |
| Vapor Pressure                            | No information available |
| Vapor Density                             | No information available |
| Density                                   | No information available |
| Solubility                                | Insoluble                |
| Partition coefficient;<br>n-octanol/water | No data available        |
| Autoignition Temp                         | No information available |
| Decomposition Temp                        | No information available |
| Viscosity                                 | 25-80 mPas               |
| Molecular Formula                         | N/A                      |
| Molecular Weight                          | N/A                      |
| VOC Content(%)                            | No information available |
| Oxidizing properties                      | No information available |

## 9.2 Other safety information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

Incompatible products.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Product Information, Component Information**

**Acute toxicity**

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| Component         | LD50 Oral       | LD50 Dermal | LC50 Inhalation   |
|-------------------|-----------------|-------------|-------------------|
| Oil mist, mineral | 22 g/kg (Mouse) | -           | 2062 ppm (Rat) 4h |

**Skin corrosion/irritation**

No information available.

**Serious eye damage/eye irritation**

Irritating to eyes.

**Respiratory or skin sensitization**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

| Component         | CAS       | IARC       | NTP   | ACGIH | OSHA       | Mexico     |
|-------------------|-----------|------------|-------|-------|------------|------------|
| Oil mist, mineral | 8012-95-1 | Not listed | Known | A2    | Not listed | Not listed |

**Specific target organ toxicity - single exposure**

None known.

**Specific target organ toxicity - repeated exposure**

None known.

**Reproductive toxicity**

No information available.

**Chronic effects**

No information available.

**11.2 Additional Information**

The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Do not empty into drains.

**12.2 Persistence and degradability**

Insoluble in water.

**12.3 Bio accumulative potential**

No information available.

#### 12.4 Mobility in soil

Is not likely mobile in the environment due its low water solubility.

#### 12.5 Results of PBT and vPvB assessment

No information available.

#### 12.6 Endocrine disrupting properties

No information available.

#### 12.7 Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

### SECTION 14: Transport information

**DOT (US)** Not regulated.

**IMDG** Not regulated.

**IATA** Not regulated.

### SECTION 15: Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not applicable.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**



Not listed.

**SARA 311/312 Hazardous**

See Section 2 for more information.

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act**

Not regulated.

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Not listed.

**US state regulations**

**US. Massachusetts RTK - Substance List**

Listed, Oil mist, mineral (CAS #8012-95-1).

**US. New Jersey Worker and Community Right-to-Know Act**

Listed, Oil mist, mineral (CAS #8012-95-1).

**US. Pennsylvania Worker and Community Right-to-Know Law**

Listed, Oil mist, mineral (CAS #8012-95-1).

**California Proposition 65**

Not listed.

**SECTION 16: Other information**

Issue date: 11/01/2024

**SECTION 17: Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.