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Safety Data Sheet

Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: Liquid Petrolatum

Reference number(SDS):83642jis_E-2

Product type:

Quasi-drug raw materials in Japan

※This product conform to JSQI(Japanese Standards of Quasi-drug Ingredients).

Recommended use of the chemical and restrictions on use

Recommended uses: Quasi-drug raw materials.

Restrictions on uses: Do not use for other purposes.

Details of the supplier of the safety data sheet

Manufacturer/Supplier: JUNSEI CHEMICAL CO., LTD.

Address: 1-6, Ohmano-cho, Koshigaya-shi, Saitama 343-0844, Japan

Division: Quality Assurance Department

Telephone number: +81-48-986-6161

FAX: +81-48-989-2787

e-mail address: shiyaku-t@junsei.co.jp

Section 2. Hazards identification

Classification of the substance or mixture

HEALTH HAZARDS

Acute toxicity (Inhalation): Category 4

Serious eye damage/eye irritation: Category 2B

Germ cell mutagenicity: Category 2

Specific target organ toxicity - single exposure: Category 2 (lung)

Specific target organ toxicity - repeated exposure: Category 1 (lung, skin)

Aspiration hazard: Category 1

(Note) GHS classification without description: Not classified/Classification not possible

Label elements

Hazard pictograms:

Signal word: Danger

Hazard statements

H332-Harmful if inhaled

H320-Causes eye irritation

H341-Suspected of causing genetic defects

H371-May cause damage to organs

H372-Causes damage to organs through prolonged or repeated exposure

H304-May be fatal if swallowed and enters airways

Precautionary statements

Prevention

Obtain, read and follow all safety instructions before use.
Do not breathe dust/ mist.
Use only outdoors or in a well-ventilated area.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
Wash hands thoroughly after handling. Do not touch eyes.
Do not eat, drink or smoke when using this product.

Response

In case of fire: Use water mist, alcohol-resistant foam, dry powder, CO2 to extinguish.
IF exposed or concerned: Get emergency medical help immediately.
Get medical help.
IF exposed or concerned, get medical advice.
Get medical help if you feel unwell.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 help.
Do NOT induce vomiting.
IF SWALLOWED: Get emergency medical help immediately.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3. Composition/information on ingredients

Substance/mixture:

Mixture

Chemical identification: Mixture of liquid hydrocarbons from petroleum.

Common name, synonyms: Mineral oil; Paraffin oils

Ingredient name:Liquid Petrolatum
Content (%):<=100
ENCS:2-10
CAS RN®:8012-95-1
EC No.:232-384-2

Note : The figures shown above are not the specifications of the product.

Stabilizing additives

Tocopherol <=0.001%

Section 4. First aid measures

Descriptions of first aid measures

General measures

Get medical help.
IF exposed or concerned, get medical advice.
IF exposed or concerned: Get emergency medical help immediately.

IF INHALED

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF INHALED: Get medical help.

IF ON SKIN

IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.

If skin irritation or rash occurs: Get medical help.

IF IN EYES

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical help.

IF SWALLOWED

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF SWALLOWED: Get emergency medical help immediately.

Most important symptoms and effects, both acute and delayed

Specific information on symptom and effect are unknown.

Indication of any immediate medical attention and special treatment needed

Information on indication of any immediate medical attention and special treatment needed is not available.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

In case of fire, use water mist, alcohol-resistant foam, dry powder, CO2 to extinguish.

Unsuitable extinguishing media

Unsuitable extinguishing media data is not available.

Specific hazards arising from the substance or mixture

Containers may explode when heated.

Fire may produce irritating, corrosive and/or toxic gases.

Runoff from fire control or dilution water may cause pollution.

Advice for firefighters

Special extinguishing method

Evacuate non-essential personnel to safe area.

Special protective equipment and precautions for fire-fighters

Wear fire resistant or flame retardant clothing.

Wear protective gloves/protective clothing/eye protection/face protection.

Firefighters should wear self-contained breathing apparatus with a full facepiece operated in the positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ventilate area until material pick up is complete.

Wear proper protective equipment.

Environmental precautions

Avoid release to headsprings, rivers, lakes, ocean and groundwater.

Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, etc.), then place in a chemical waste container.

Preventive measures for secondary accident

Collect spillage.

Reference to other sections

Refer to section 8

Refer to section 13

Section 7. Handling and storage

Handling

Engineering measures

(Measures to prevent operator exposure)

Do not breathe dust/ mist.

(Measures to prevent fire and explosion)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

(Local ventilation/general ventilation)

Exhaust/ventilator should be available.

(Precautions)

Avoid contact with skin.

Avoid contact with eyes.

Advice on safe handling

Obtain, read and follow all safety instructions before use.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Use personal protective equipment as required.

When using do not eat, drink or smoke.

Avoidance of contact

See Section 10: Stability and Reactivity.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.

Wash hands thoroughly after handling. Do not touch eyes.

Do not eat, drink or smoke when using this product.

Storage

Conditions for safe storage

Keep container tightly closed. Keep cool.

Store in accordance with local/regional/national/international regulations.

Protect from sunlight. Store in a well-ventilated place.

Incompatible substances

Refer to Section 10. Stability and reactivity.

Container and packaging materials for safe handling data is not available.

Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

Section 8. Exposure controls/personal protection

Permissible concentration

Occupational exposure limit values

JSOH

(Liquid Petrolatum)

3mg/m3 (as mineral oil mist)

ACGIH

(Liquid Petrolatum)

TWA: as low as possible(L)(as Poorly and mildly refined Mineral oil, excluding metal working fluids) (URT irr)

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Eye wash station should be available.

Washing facilities should be available.

Personal protective equipment

Respiratory protection

Select and wear respiratory protection in accordance with approved standards (e.g. JIS T8150).

Hand protection

Wear protective gloves. Recommended material(s): neoprene, nitrile, butyl rubber, viton, PVC

Inspect before use and replace worn or damaged gloves.

Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions.

Chemical-resistant, impervious gloves complying with an approved standard (e.g. JIS T8116) should be used.

Eye/face protection

Wear safety glasses with side-shields.

Wear eye/face protection in accordance with approved standards (e.g. JIS T8147).

Skin and body protection

Wear impervious clothing and boots in case of repeated or prolonged treatment.

Personal protective equipment for the body and skin should be selected based on the task being performed and the risks involved.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Color: Colorless

Odor: Odorless

Odor threshold data is not available.

Melting point/Freezing point data is not available.

Boiling point or initial boiling point and boiling range: >300℃

Flammability data is not available.

Lower and upper explosion limit data is not available.

Flash point: >=250℃

Auto-ignition temperature: 260～371℃

Decomposition temperature data is not available.

Self-Accelerating Decomposition Temperature/SADT data is not available.

pH data is not available.

Dynamic viscosity data is not available.

Kinematic viscosity: 74.0～88.0 mm2/s(37.8℃)

Solubility:

Solubility in water: Insoluble

Solubility in solvent: Freely soluble in diethyl ether; practically insoluble in ethanol.

Partition coefficient n-octanol/water data is not available.

Vapor pressure data is not available.
Vapor density data is not available.
Density and/or relative density: 0.815～0.910(20/20℃)
Relative vapor density (Air=1) data is not available.
Relative density of the Vapor/air - mixture at 20℃ (Air = 1) data is not available.
Particle characteristics data is not available.

Other information

Critical temperature data is not available.
Evaporation rate data is not available.
VOC data is not available.

Section 10. Stability and Reactivity

Reactivity

Reactivity data is not available.

Chemical stability

Stable under normal storage/handling conditions.

Possibility of hazardous reactions

Reacts with strong oxidants.

Conditions to avoid

Avoid direct sunlight, fire, flame, high temperature.
Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon oxides.

Section 11. Toxicological Information

The product has not been subjected to toxicological testing. Refer to the available data on the constituents.

Information on toxicological effects

Acute toxicity

Acute toxicity (Oral)

[Product]

Based on available data, the classification criteria are not met.

[Data for components of the product]

[NITE-CHRIP]
(Liquid Petrolatum)
rat LD50: > 5000 mg/kg (source: NITE)

Acute toxicity (Dermal)

[Product]

Based on available data, the classification criteria are not met.

[Data for components of the product]

[NITE-CHRIP]
(Liquid Petrolatum)
rat LD50: > 5000 mg/kg (source: NITE)

Acute toxicity (Inhalation)

[Product]

Category 4, Harmful if inhaled

[Data for components of the product]
[NITE-CHRIP]
(Liquid Petrolatum)
mist: rat LC50: 2.18 mg/L (source: NITE)

Skin corrosion/irritation

[Product]
Based on available data, the classification criteria are not met.

[Data for components of the product]
[NITE-CHRIP]
(Liquid Petrolatum)
rabbit : mild irritation (source: NITE)

Serious eye damage/irritation

[Product]
Category 2B, Causes eye irritation

[Data for components of the product]
[NITE-CHRIP]
(Liquid Petrolatum)
Category 2B (source: NITE)

Respiratory or skin sensitization

Respiratory sensitization

[Product]
Classification not possible (Insufficient data available or no data available).

[Data for components of the product]
No data available.

Skin sensitization

[Product]
Based on available data, the classification criteria are not met.

[Data for components of the product]
[NITE-CHRIP]
(Liquid Petrolatum)
Not classified (source: NITE)

Germ cell mutagenicity

[Product]
Category 2, Suspected of causing genetic defects

[Data for components of the product]
[NITE-CHRIP]
(Liquid Petrolatum)
Category 2 (source: NITE)

Carcinogenicity

[Product]
Based on available data, the classification criteria are not met.

[Data for components of the product]
[NITE-CHRIP]
(Liquid Petrolatum)
Category 1A (source: NITE)
[IARC]
(Liquid Petrolatum)
Group 1 : Carcinogenic to humans
[ACGIH]
(Liquid Petrolatum)
A2(as Poorly and mildly refined Mineral oil, excluding metal working fluids): Suspected Human Carcinogen

[JSOH]
(Liquid Petrolatum)
Group 1: The agents which are carcinogenic to humans (as mineral oil mist)
[NITE-CHRIP]
※Since this product is a highly refined mineral oil, we judged it as "not classified" based on the above-mentioned Japanese published evidence date (source: NITE).

Reproductive toxicity
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.

Specific target organ toxicity - single exposure
[Product]
Category 2, May cause damage to organs
[Data for components of the product]
[NITE-CHRIP]
(Liquid Petrolatum)
Category 2 (lung) (source: NITE)

Specific target organ toxicity - repeated exposure
[Product]
Category 1, Causes damage to organs through prolonged or repeated exposure
[Data for components of the product]
[NITE-CHRIP]
(Liquid Petrolatum)
Category 1 (lung, skin) (source: NITE)

Aspiration hazard
[Product]
Category 1, May be fatal if swallowed and enters airways
[Data for components of the product]
[NITE-CHRIP]
(Liquid Petrolatum)
Category 1 (source: NITE)

Section 12. Ecological Information

Ecotoxicity

Aquatic toxicity
[Product]
Classification not possible (Insufficient data available or no data available).
[Data for components of the product]
No data available.

Persistence and degradability
Persistence and degradability data is not available.

Bioaccumulative potential
Bioaccumulative potential data is not available.

Mobility in soil
Mobility in soil data is not available.

Other adverse effects
Ozone depleting chemical data is not available.

Section 13. Disposal considerations

Waste from residues

Disposal should be in accordance with local, national, and international laws and regulations.
Comply with relevant laws and regulations as well as local municipal standards.
Do not dump into sewers, on the ground or into any body of water.

Contaminated packing

Disposal should be in accordance with local, national, and international laws and regulations.
Comply with relevant laws and regulations as well as local municipal standards.
Dispose of container after using the contents completely.

Section 14. Transport Information

UNRTDG

UN Number : Not regulated
UN Proper Shipping Name : Not regulated
Transport hazard class(es) :Not regulated
Packing group :Not regulated

IMDG Code (International Maritime Dangerous Goods Regulations)

UN number : Not regulated
UN Proper Shipping Name : Not regulated
Transport hazard class(es) : Not regulated
Packing group : Not regulated

IATA (Dangerous Goods Regulations)

UN number : Not regulated
UN Proper Shipping Name : Not regulated
Transport hazard class(es) : Not regulated
Packing group : Not regulated

Marine pollutants (yes/no) : no

Maritime transport in bulk according to IMO instruments

Not applicable to Transport in bulk according to Annex II of MARPOL and the IBC Code

MARPOL Annex V - HME (Harmful to the Marine Environment)

Specific target organ toxicity - repeated exposure: cat.1
Liquid Petrolatum

Section 15. Regulatory Information

Applicable laws and regulations

U.S. Toxic Substances Control Act (TSCA) Inventory

Chemicals listed in TSCA Inventory

8012-95-1

All components are listed or exempted.

Other regulatory information

We are not able to check up the regulatory information with regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.
Regulatory information with regard to this substance in your country or in your region should be examined by your own responsibility.

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.
Regulatory information in this section are limited to intentional ingredient(s), but does
not contain information on non-intentional ingredients or impurities which are not informed by supplier(s).

Chemical safety assessment

Advice on safe handling for this product can be found in sections 7 and 8 of this SDS.

Section 16. Other information

GHS classification and labelling

H332-Acute toxicity, Category 4: H332 Harmful if inhaled
H320-Serious eye damage/eye irritation, Category 2B: H320 Causes eye irritation
H341-Germ cell mutagenicity, Category 2: H341 Suspected of causing genetic defects
H371-Specific target organ toxicity - single exposure, Category 2: H371 May cause damage to organs
H372-Specific target organ toxicity - Repeated exposure, Category 1: H372 Causes damage to organs through prolonged or repeated exposure
H304-Aspiration hazard, Category 1: H304 May be fatal if swallowed and enters airways

References and sources for data

Globally Harmonized System of classification and labelling of chemicals, UN
Recommendations on the TRANSPORT OF DANGEROUS GOODS 23rd edit., 2023 UN
IMDG Code, 2024 Edition (Incorporating Amendment 42-24)
IATA Dangerous Goods Regulations (67th Edition) 2026
2024 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
2026 TLVs and BEIs. (ACGIH)
JIS Z 7252 : 2025
JIS Z 7253 : 2025
Recommendation of occupational exposure limits (2024-2025) (JSOH)
Notification No. 0111-1 (January 11, 2022), Chemical Hazards Control Division, Industrial Safety and Health Department, Labour Standards Bureau, MHLW in Japan
Supplier's data/information
Chemicals safety data management system "GHS Assistant" Version 4.41 (https://www.asahi-ghs.com/)
European Chemicals Agency ECHA CHEM Database (https://em.echa.europa.eu/)
National Institute of Technology and Evaluation NITE-CHRIP (https://www.chem-info.nite.go.jp/en/chem/chrip/chrip_search/systemTop)
GHS Classification Guidance for Enterprises 2019 Revised Edition (Ver. 2.1) (May. 2024, METI)

Abbreviations and acronyms

ACGIH - American Conference of Governmental Industrial Hygienists;
anh - anhydride;
ATE - Acute Toxicity Estimate;
BCF - Bioconcentration Factor;
BOD - Biochemical Oxygen Demand;
Cat. - Category;
Ceiling-C - Ceiling value;
COD - Chemical Oxygen Demand;
CSCL - Chemical Substances Control Law in Japan;
DSEN - Dermal Sensitization;

EC No. – The European Community number;
EC50 – Effective Concentration 50;
ENCS – Existing and New Chemical Substances Inventory under CSCL
EPA – US Environmental Protection Agency;
EU – European Union;
GHS – Globally Harmonized System of Classification and Labelling of Chemicals;
IARC – International Agency for Research on Cancer;
IATA – International Air Transport Association;
IBC Code – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;
IMDG Code – International Maritime Dangerous Goods Code;
ISHA – Industrial Safety and Health Act in Japan;
JSOH – Japan Society for Occupational Health;
LC50 – Lethal Concentration 50;
LD50 – Lethal Dose 50;
logPow – n-Octanol/water Partition Coefficient;
MARPOL – International Convention for the Prevention of Pollution from Ships;
METI – Ministry of Economy, Trade and Industry in Japan;
MHLW – Ministry of Health, Labour and Welfare in Japan;
MOE – Ministry of the Environment in Japan
NOEC – No Observed Effect Concentration;
NTP – US National Toxicology Program;
REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No.1907/2006;
RSEN – Respiratory Sensitization;
Skin – Danger of cutaneous absorption;
STEL – Short-term Exposure Limit;
STOT – Specific target organ toxicity;
SVHC – Substance of Very High Concern under REACH;
TWA – time-weighted average;
UN – United Nations;
UNRTDG – United Nations Recommendations on the Transport of Dangerous Goods;

General Disclaimer

The information relates to this specific material. It may not be valid for this material, if used in combination with any other materials or in any process. It is the user's responsibility to satisfy him-selves as to the suitability and completeness of this information for his own particular use.
This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.
The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.
The GHS classification data given here is based on current Data published in Japan (National Institute of Technology and Evaluation (NITE) Chemical Risk Information Platform (NITE-CHRIP), up to FY2025).