Chemical Safety Data Sheet

Revised on: September 15, 2022	**MSDS Number: 17**
Product Name: White Oil	**Version: V1.0**

Part 1 Chemicals and Enterprise Identification

Chinese name of chemical: white oil
Chemical English name: WHITE OIL
Chemical alias: white mineral oil
CAS No. : 8042-47-5
EC No.: 232-455-8
Molecular formula: -
Recommended use of the product: -
Product Restricted Use: -

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Part 2 Overview of Hazards

Emergency Overview

Liquid. Flammable. slightly irritating to eyes and skin, avoid direct contact.

GHS Hazard Category

Flammable, not classified as corrosive or toxic.

Label Elements

Pictogram

Warning words: Warning

Hazard information: Flammable liquid, slightly irritating to eyes and skin, avoid direct contact.

Prevention instructions

Preventive measures: Obtain professional instructions before use. Do not move until you have read and understood all safety measures. Keep away from heat sources, hot surfaces, sparks, open flames and other ignition sources. Smoking is prohibited. Keep the container tightly closed. Grounding and equipotential connection of containers and receiving equipment. Use tools that do not generate sparks. Take measures to prevent electrostatic discharge. Avoid release into the environment. Wear protective gloves/protective clothing/protective goggles/protective masks.

Accident response: Do not induce vomiting. Collect spills. If swallowed by mistake: Immediately call a poisoning emergency center/doctor. If in contact or in doubt: seek medical attention/seek medical attention. If skin (or hair) is contaminated: Immediately remove/remove all contaminated clothing. Wash skin with water or take a shower.

Safe storage: Store in a well ventilated area. Maintain low temperature.

Disposal: Dispose of contents/containers in accordance with local/regional/national/international regulations.

Hazard description:

Physical and chemical hazards

Flammable liquid.

Health hazards

During normal production processing, swallowing this product may cause harmful effects or discomfort to health. Accidental ingestion of this product may be harmful to individual health. Entering the bloodstream through cuts, abrasions, or diseased areas may have harmful effects on the entire body. Direct eye contact with this product can cause temporary discomfort.

Environmental hazards

Please refer to Part 12 of the MSDS.

Part 3 Composition/Composition Information

Substance mixture

Hazardous components	Concentration or concentration range	CAS No
White oil	No data available	8042-47-5

Part 4 First Aid Measures

Description of first aid measures

Skin contact: Immediately remove contaminated clothing. Rinse the skin with plenty of soap and water. If you feel unwell, seek medical attention.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes. If you feel unwell, seek medical attention.

Inhalation: Immediately move the patient to fresh air and maintain smooth breathing. If breathing is difficult, administer oxygen. If the patient ingests or inhales this substance, Mouth-to-mouth resuscitation is not allowed. If breathing stops. Perform Cardiopulmonary resuscitation immediately. Seek medical attention immediately.

Ingestion: Do not induce vomiting and do not feed anything from the mouth to unconscious individuals. Immediately call a doctor or poisoning control center.

Advice for protecting rescuers: Remove all sources of fire and enhance ventilation. Avoid contact with skin and eyes. Avoid inhaling vapors. Use protective equipment, including breathing masks.

Special reminder for doctors: Targeted treatment based on the symptoms that appear. Note that symptoms may be delayed.

Part 5 Fire Protection Measures

Fire extinguishing methods and extinguishing agents

Spray water to cool the container, and if possible, move the container from the fire site to an open area. Suitable extinguishing agents: foam, dry powder, carbon dioxide. Extinguishing fire with water is ineffective.

Hazardous characteristics

Burning occurs when exposed to open flames and high heat. It can react strongly with oxidants. When heated, the container may explode. Containers exposed to fire may leak their contents through pressure safety valves. Heating or contact with flames may cause expansion or explosive decomposition.

Fire extinguishing precautions and protective measures

When extinguishing a fire, a breathing mask and full body protective clothing should be worn. Extinguish the fire at a safe distance with sufficient protection. Prevent fire water from polluting surface and groundwater systems.

Part 6 Leakage Emergency Response

Protective measures, equipment, and emergency response procedures for operators

Quickly evacuate personnel to a safe area, away from the leakage area and in the upwind direction. Use personal protective equipment to avoid inhaling vapors, smoke, gases, or dust. Strictly restrict access and remove all ignition sources. It is recommended that emergency personnel wear positive pressure self-contained breathing apparatus, anti-gas and anti-static clothing, and chemical anti penetration gloves to ensure sufficient ventilation.

Environmental protection measures

Take measures to prevent further leaks or spills while ensuring safety. Avoid discharging into the surrounding environment.

Storage and removal methods and disposal materials for leaked chemicals

When a small amount of leakage occurs, dry sand or inert adsorption materials can be used to absorb the leakage. When a large amount of leakage occurs, embankments or pits need to be built to accommodate it. Attached or collected materials should be stored in suitable sealed containers and equipped with flameproof tools and explosion-proof equipment.

Part 7 Handling and Storage

Precautions for operation

Operators should receive training and strictly follow the operating procedures. It is recommended that operators wear general protective clothing to avoid contact with the skin and eyes. Keep away from heat sources, sparks, open flames, and hot surfaces, and avoid contact with oxidants and edible chemicals. Equip corresponding types and quantities of firefighting equipment and emergency response equipment for leaks.

Storage precautions

Keep the container tightly closed. Store in a dry, cool, and ventilated place. Keep away from heat sources, sparks, open flames, and hot surfaces. Store away from incompatible materials and Food contact materials.

Part 8 Exposure Control/Personal Protection

Control parameters

Occupational exposure limit

No data available

Biological limit

No data available

Monitoring methods

EN 14042 Guidelines for procedures for assessing exposure to chemical or biological agents in workplace air. GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in the air of workplaces (series of standards).

Engineering Control

Maintain sufficient ventilation, especially in enclosed areas. Ensure that there are eye wash and shower facilities near the workplace. Use explosion-proof electrical appliances, ventilation, lighting and other equipment. Set up emergency evacuation routes and necessary risk relief areas.

Respiratory system protection

Generally, no special protection is required. If necessary, you can wear a self-priming filtering Gas mask (half mask).

Eye protection

Generally, no special protection is required, and chemical goggles can be worn when exposed to high concentrations.

Skin and body protection

Wear flame-retardant and anti-static protective clothing and anti-static protective boots.

Hand protection

Wear chemical protective gloves.

Other protections

Smoking, eating, and drinking are prohibited at the workplace. After work, take a shower and change clothes. Maintain good hygiene habits.

Part 9 Physical and Chemical Characteristics

Appearance and properties: colorless and transparent liquid	
PH value (indicated concentration): No data available	**Odor:** Slightly odorous
Boiling point, initial boiling point, and boiling range (℃):>90	**Melting point/freezing point (℃):** No data available
Relative vapor density (air=1): No data available	**Odor threshold:** No data available
Saturated Vapor pressure (kPa): no data	**Relative density (water=1):** 0.877
Evaporation rate: No data available	**Viscosity (mm2/s):** No data available
Flash point (℃): 220	**N-octanol/water Partition coefficient:** no data
Decomposition temperature (℃): No data available	**Ignition temperature (℃):** No data available
Upper/lower explosion limit [% (V/V)]: Upper limit: No data available; Lower limit: No data available	
Solubility: insoluble in water	**Flammability:** Not applicable

Part 10 Stability and Reactivity

stability

Stable under correct usage and storage conditions.

Incompatible substances

No data available

Conditions to avoid

Incompatible substances, heat, flames, and sparks.

Hazardous reactions

No data available

Decomposition product

Under normal storage and usage conditions, no hazardous decomposition products will be generated.

Part 11 Toxicological Information

acute toxicity

Composition	CAS NO	LD50 (oral)	LD50 (percutaneous)	LD50 (inhalation)
White oil	8042-47-5	No data available	No data available	No data available

carcinogenicity

Composition	CAS NO	IARC	NTP	
White oil	8042-47-5	Not included	Not included	

Skin irritation or corrosiveness

No data available

Eye irritation or corrosion

No data available

Skin sensitization

No data available

Respiratory sensitization

No data available

Germ cell mutagenicity

No data available

Reproductive toxicity

No data available

Specific target Organ system toxicity - one exposure possibility

No data available

Specific target Organ system toxicity - repeated exposure possibility

No data available

Inhalation hazards

Swallowing and entering the respiratory tract can be fatal

Part 12 Ecological Information

Acute aquatic toxicity

Composition	CAS NO	fish	Crustaceans	Algae/Aquatic plant
White oil	No data available	No data available	No data available	No data available

Chronic aquatic toxicity

No data available

Persistence and degradability

No data available.

Potential Bioaccumulation

No data available.

Mobility in soil

No data available.

Other harmful effects

No data available.

Part 13 Abandonment and Disposal

Waste disposal methods

After the packaging is emptied, there may still be residue hazards, and it should be kept away from heat and ignition sources. If possible, it should be returned to the supplier for recycling.

Disposal precautions

Please refer to the "Waste Disposal" section.

Part 14 Transportation Information

UN number: no data

United Nations shipping name: No information available

United Nations Hazard Classification: No data available

Packaging category: II

Packaging labels

Marine pollutants (yes/no): no

Packaging method

Open steel drum. An ordinary wooden box outside the ampoule bottle. Thread mouth glass bottles, iron cap pressure mouth glass bottles, plastic bottles or ordinary wooden boxes outside metal barrels (cans), etc. Pack according to the manufacturer's recommended method.

Transportation precautions

The exhaust pipe of the vehicle carrying this item must be equipped with a flame retardant device, and it is prohibited to use mechanical equipment and tools that are prone to sparks for loading and unloading. During transportation, it is necessary to prevent exposure to sunlight, rain, and high temperatures. The tank car used during transportation should have a grounding chain, and holes and partitions can be installed inside the tank to reduce vibration and generate static electricity. It is strictly prohibited to mix and transport with oxidants, acids, food and food additives. It is strictly prohibited to transport in bulk using wooden or cement boats. During transportation, transportation vehicles should be equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency response equipment. Before transportation, the packaging container should be checked for completeness and sealing. Danger signs and notices should be posted on transportation vehicles according to relevant transportation requirements.

Part 15 Regulatory Information

China Chemical Management Directory

Composition	A	B	C	D	E	F	G	H
White oil	Not included	Not included	Not included	Not included	Not included	Not included	Not included	Not included

【A】 Catalogue of Hazardous Chemicals (2015 Edition), Announcement No. 5 of the State Administration of Work Safety in 2015

【B】 Catalogue of Hazardous Chemicals for Key Environmental Management, Document No. 33

of the General Office of the Ministry of Environmental Protection in 2014

【C】 Catalogue of Toxic Chemicals with Strict Import and Export Restrictions in China, Announcement No. 85 of the Ministry of Environmental Protection in 2013

【D】 List of Narcotic Drugs and Psychotropic Drugs (2013), SFDA Circular No. 230, 2013

【E】 List of Key Regulated Hazardous Chemicals (1st and 2nd Batches), State Administration of Work Safety Notice No. 95 of 2011 and No. 12 of 2013

【F】 List of Controlled Ozone Depleting Substances for Import and Export in China (Batch 1-6), Ministry of Environmental Protection Announcement Series from 2000 to 2012

【G】 List of Explosive Hazardous Chemicals (2011 Edition), announced by the Ministry of Public Security on November 25, 2011

【H】 Catalogue of High Toxic Substances, Ministry of Health Notice No. 142 of 200

Part 16 Other Information

Latest revision date: July 15, 2018

Modification instructions

This MSDS has been revised in accordance with standards such as "Content and Project Sequence of Chemical Safety Data Sheets" (GB/T16483-2008) and "Guidelines for the Compilation of Chemical Safety Data Sheets" (GB/T 17519-2013). Among them, the GHS classification results of chemicals are based on the "Implementation Guidelines for the Catalogue of Hazardous Chemicals (2015 Edition) (Trial)" and the "Code for Classification and Labeling of Chemicals" (GB 30000.2-2013~GB 30000.29-2013) series of standards.

References

【1】 International Programme on Chemical Safety: International Chemical Safety Cards (ICSCs), website:
http://www.ilo.org/dyn/icsc/showcard.home .

【2】 International Agency for Research on Cancer, website: http://www.iarc.fr/ .

【3】 OECD Global Chemicals Information Platform, website:
http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en .

【4】 CAMEO Chemical Substances Database in the United States, website: http://cameochemicals.noaa.gov/search/simple .

【5】 American Medical Library: Chemical Labeling Database, website:
http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp .

【6】 Transportation in the United States: Emergency Response Guide, website: http://www.phmsa.dot.gov/hazmat/library/erg .

【7】 German GESTIS Hazardous Substances Database, website: http://gestis-en.itrust.de/ .

Abbreviation Description

CAS - Chemical Abstract Number TSCA - TSCA Chemical Substance Inventory in

the United States

PC-STEL - Short term exposure tolerance concentration

PC-TWA - Time Weighted Average

DNEL - Derived No Impact Level

IARC – International Agency for Research on Cancer

RPE - Respiratory Protective Equipment

PNEC - Predicted Ineffective Concentration

LC_{50} – 50% lethal concentration

LD_{50} – 50% lethal dose

NOEC - No Observed Effect Concentration

EC_{50} – 50% effective concentration

PBT – persistent, Bioaccumulation, toxic

POW – octanol/water Partition coefficient

BCF - Biological Concentration Factor (BCF)

VPvB – persistence, Bioaccumulation

CMR – carcinogenic, teratogenic and Reproductive toxicity chemicals

IMDG - International Maritime Organization

ICAO/IATA – International Civil Aviation Organization/International Air Transport Association

UN - United Nations

ACGIH - American Conference on Industrial Hygiene

NFPA – National Fire Protection Association

OECD – OECD

Disclaimers

The format of this safety technical manual complies with the requirements of GB/T16483 and GB/T17519 in China. The data is sourced from international authoritative databases and our company's data, and other information is based on the company's current knowledge. We strive to ensure the accuracy of all information provided, but due to the diversity of information sources and the limitations of our company's knowledge, this document is for user reference only. Users of safety technical manuals should make judgments on the rationality of relevant information based on the purpose of use. We do not assume any responsibility for any damage caused by the operation, storage, use, or disposal of this product.