

SAFETY DATA SHEET

WHITE MINERAL OIL 90 NF

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SECTION 1: Identification

Identification

Product name : WHITE MINERAL OIL 90 NF
CAS-No. : MIXTURE
Product code : MI4005
Recommended use : No additional information available
Restrictions on use : No additional information available

Supplier

Hydrite Chemical Co.
17385 Golf Parkway
Brookfield, WI, 53045
T 262-792-1450

Emergency telephone number

EMERGENCY RESPONSE NUMBERS:
24 Hour Emergency #: (414) 277-1311
CHEMTREC Emergency #: (800) 424-9300

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS US classification

Aspiration hazard Category 1

GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: May be fatal if swallowed and enters airways

Precautionary Statements

Response

: If swallowed: Immediately call a doctor.
Do NOT induce vomiting.

Storage

: Store in a secure manner.

Disposal

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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Hazards not otherwise classified

Hazards not otherwise classified : No additional information available

Unknown acute toxicity (GHS US)

Unknown acute toxicity (GHS US) : 100% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
100% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
100% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

Substances/ Mixtures

Name	Product identifier	%	GHS US classification
White Mineral Oil	CAS-No.: 8042-47-5	100	Asp. Tox. 1, H304

*Note: Any chemical identity and/or exact percentage not expressly stated is being withheld as a trade secret or is due to batch variation.

SECTION 4: First-aid measures

Description of first aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.

First-aid measures after skin contact : Gently wash with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. Cool skin rapidly with cold water after contact with hot product. If necessary seek medical advice.

First-aid measures after eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.

First-aid measures after ingestion : If Swallowed: Do not induce vomiting. No specific measures have to be taken if the product is swallowed. May result in aspiration into the lungs, causing chemical pneumonia. Call a physician immediately.

Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Inhalation of mists or vapors at elevated temperatures may cause respiratory irritation.

Symptoms/effects after skin contact : None under normal conditions. Prolonged or repeated contact may cause skin to become dry.

Symptoms/effects after eye contact : May cause slight irritation. redness, itching, tears.

Symptoms/effects after ingestion : If Swallowed: May result in aspiration into the lungs, causing chemical pneumonia. Do NOT induce vomiting unless directed to do so by medical personnel. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.

Immediate medical attention and special treatment, if necessary : Treat symptomatically. Acute aspirations of large amounts of oil laden material may produce serious aspiration pneumonia. Patients that aspirate these oils should be followed for the development of long term effects. Inhalation exposure to oil mists below workplace exposure limits is unlikely to cause pulmonary abnormalities.

SECTION 5: Fire-fighting measures

Extinguishing Media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Do not use a solid water stream as it may scatter and spread fire.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from the chemical

Fire hazard	: At or above flash point, vapors present may burn in open or explode if confined when mixed with air and exposed to ignition source. Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause a flash fire.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Organic compounds.
Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage. Eliminate every possible source of ignition.
Non-emergency personnel	
Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area.
For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.

Environmental precautions

Environmental precautions	: Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.
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Methods and material for containment and cleaning up

For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk. CAUTION: Spilled material may be slippery.
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.
Reference to other sections	: For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Store in a secure manner.
Incompatible products	: Oxidizing agent. Combustible materials.
Storage area	: Do NOT enter (storage areas, confined spaces) unless adequately ventilated. Material can accumulate some static charge during transfer. Ground/bond container and receiving equipment.
Packaging materials	: Store always product in container of same material as original container.

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SECTION 8: Exposure controls/personal protection

Control parameters

Component	ACGIH	OSHA
White Mineral Oil	No data available	No data available

Note: * If oil mists are generated, observe the OSHA exposure limit of 5 mg/m³. ACGIH exposure limits for mineral oil mists are 5 mg/m³-TWA, 10 mg/m³-STEL.

Appropriate engineering controls

- Appropriate engineering controls : Maintain adequate ventilation. Do not use in closed or confined spaces. General room ventilation is required. Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment

- Personal protective equipment : Wear recommended personal protective equipment.
- Hand protection : Protective gloves. nitrile rubber gloves
- Eye protection : If splashing of liquid may occur, then wear chemical safety goggles and/or face shield.
- Skin and body protection : Protective gloves: Nitrile. Material is not considered a skin contact hazard; however, it is advised that personnel minimize skin contact.
- Respiratory protection : If user operations generate an oil mist, determine if airborne concentrations are below the recommended mineral oil mist exposure limits. If exposure limits are exceeded, wear: NIOSH-Approved air-purifying respirator with: Dust/mist filter. NIOSH-Approved positive pressure supplied air respirator. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use. None required under normal use.
- Other information : Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking. Protective equipment. Eye-wash station. Safety shower. Protective clothing.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- Physical state : Liquid
- Color : Colorless.
- Odor : None to slight petroleum oil like.
- Odor threshold : No data available
- pH : No data available
- Melting point : Not applicable
- Freezing point : No data available
- Boiling point : > 260 °C
- Flash point : 311 °F minimum Cleveland Open Cup
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : Not applicable.
- Vapor pressure : < 1 mm Hg @ 20 °C
- Relative vapor density at 20°C : > 1
- Relative density : 0.85 – 0.87 @ 60.1 °F
- Solubility : Negligible in water (below 0.1%); soluble in hydrocarbons.
Organic solvent:Soluble in hydrocarbon solvents.
- Partition coefficient n-octanol/water (Log Pow) : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Viscosity, kinematic : 9 – 22 mm²/s @ 40 °C

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Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

SECTION 10: Stability and reactivity

Information on stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid excessive heat. Incompatible materials.
Incompatible materials	: strong oxidizing agents. peroxides. strong acids. nitrates. chlorates. halogens or halogen compounds.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Incomplete combustion will generate : Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Ingestion may cause nausea, vomiting and diarrhea Acute aspirations of large amounts of oil laden material may produce serious aspiration pneumonia. Patients that aspirate these oils should be followed for the development of long term effects. Inhalation exposure to oil mists below workplace exposure limits is unlikely to cause pulmonary abnormalities.

Numerical Measures of Toxicity			
Component	ORAL LD50	DERMAL LD50	INHALATION LC50
White Mineral Oil	Rat: > 5000 mg/kg	No data available	No data available

Skin corrosion/irritation	: MAY CAUSE MILD IRRITATION.
Serious eye damage/irritation	: May cause slight irritation to eyes
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: 9 – 22 mm ² /s @ 40 °C
Symptoms/effects	: No additional information available
Symptoms/effects after inhalation	: Inhalation of mists or vapors at elevated temperatures may cause respiratory irritation.
Symptoms/effects after skin contact	: None under normal conditions. Prolonged or repeated contact may cause skin to become dry.
Symptoms/effects after eye contact	: May cause slight irritation. redness, itching, tears.
Symptoms/effects after ingestion	: If Swallowed: May result in aspiration into the lungs, causing chemical pneumonia. Do NOT induce vomiting unless directed to do so by medical personnel. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
Other information	: No additional information available

SECTION 12: Ecological information

Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

WHITE MINERAL OIL 90 NF (MIXTURE)

LC50 - Fish [1]	100000 mg/l P. Promelas (fathead minnow)
EC50 - Crustacea [1]	0.43 mg/l D. magna

Persistence and degradability

WHITE MINERAL OIL 90 NF (MIXTURE)

Persistence and degradability	Not readily biodegradable.
Mobility in soil	May partition into air, soil, and water.

SECTION 13: Disposal considerations

Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information

Modes of transport

DOT (Department of Transportation):

Not regulated by the DOT.

IMDG (International Maritime Dangerous Goods Code):

Not regulated by the IMDG.

IATA (International Air Transport Association):

Not regulated by the IATA.

Environmental hazards

Other information : No supplementary information available.

SECTION 15: Regulatory information

US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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International Regulations

No additional information available

US State regulations

No additional information available

SECTION 16: Other information

Hazard Rating System

Health: 0
Flammability: 1
Physical: 0

NFPA Rating System

NFPA health hazard: 0
NFPA fire hazard: 1
NFPA reactivity: 0

Abbreviations and acronyms

HAP	Hazardous Air Pollutant
VOC	Volatile Organic Compound
STEL	Short Term Exposure Limit
TWA	Total Average Weight
RQ	Reportable Quantity

Revision date: 2/14/2024

Supersedes: 2/10/2014

Issue date: 3/24/2005

Reason for Revision: New format.Changes made throughout the SDS.

SDS Prepared by: AF

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