

HAYNES Safety Data Sheet

Haynes Haynes Oil **Haynes Manufacturing Company**

1. IDENTIFICATION

Product Name:		Haynes Oil
Chemical Name:	N/A	
Chemical Family:		Petroleum Oil
Manufacturer:		Haynes Manufacturing Co. 24142 Detroit Road Westlake, Ohio 44145, USA
Emergency Telephone Number:		1-800-992-2166 X195 or 1-440-871-2188 X195
For MSDS, Product Safety, or Regulatory Inquiries call:		1-800-992-2166 or 1-440-871-2188
Customer Service:		1-800-992-2166 or 1-440-871-2188

Recommended use of the chemical and restrictions on use

Recommended use	No information available
Applications	No information available

2. HAZARDS IDENTIFICATION

OSHA/HCS Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance of mixture: Not classified

GHS label elements

Signal word	No signal word
Hazard statements	No known significant effects or critical hazards

Precautionary statements

Prevention	Not applicable
Response	Not applicable
Storage	Not applicable
Disposal	Not applicable
Hazards not otherwise classified	None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture	Substance
Chemical name	White mineral oil (petroleum)

Other means of identification

White mineral oil, petroleum

CAS number/other identifiers

CAS number

8042-47-5

Chemical Name	CAS No	Weight - %	Trade Secret
Haynes Oil	8042-47-5	60-100%	*

*The concentration shown as a range is to protect the confidentiality.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Description of necessary first aid measures

Eye Contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin Contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most Important Symptoms and Effects, Acute and Delayed

Potential acute health effects

Eye Contact

No known significant effects or critical hazards.

Inhalation

No known significant effects or critical hazards.

Skin Contact

No known significant effects or critical hazards.

Ingestion

No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye Contact

No specific data.

Inhalation

No specific data.

Skin Contact

No specific data.

Ingestion

No specific data.

Indication of Any Immediate Medical Attention and Special Treatment Needed, if necessary

Note to physicians

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

No specific treatment.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

Do not use water jet.

Specific Hazards Arising from the Chemical

If a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products

Decomposition products may include the following materials: carbon dioxide, carbon monoxide.

Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency personnel:

If specialized clothing is required to deal with the spillage, take note of any information in

Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel”.

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillage into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Protective measures

Put on appropriate personal protective equipment (see Section 8).

Advise on general occupational hygiene

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original containers protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible

materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational exposure limits

Ingredient Name	Exposure limits
Haynes Oil	<p>ACGIH TLV (United States, 04/2014). TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction.</p> <p>NIOSH REL (United States, 10/2013). TWA: 5 mg/m³ 10 hours. Form: Mist. STEL: 10 mg/m³ 15 minutes... Form: Mist.</p> <p>OSHA PEL (United States, 2/2013). TWA: 5 mg/m³ 8 hours.</p>

Appropriate Engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental Exposure Controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eyeface protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other Skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Liquid (Viscous liquid)
Color	Colorless
Odor	Mild. Hydrocarbon.
Odor Threshold	Not available
pH	Not available
Melting point	-60 to -9° C (-76 to 15.8 °F)
Boiling point	218 to 800 °C (424.4 to 1472 °F)
Flash point	Closed cup: >112 °C (>233.6 °F) Open cup: 223.33 °C (434 °F) [Cleveland]
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower and upper explosive (flammable limits)	Not available
Vapor pressure	0.011 kPa (0.08 mm Hg) [room temperature]
Vapor density	Not available
Relative density	0.869
Solubility	Insoluble in the following materials: cold water and hot water.
Partition coefficient n-Octanol/water	>6
Auto-ignition temperature	325 to 355 °C (617 to 671 °F)
Decomposition temperature	Not available
Viscosity	Kinematic (40 °C (104 °F)): 0.68 cm ² /s (68 cSt)

10. STABILITY AND REACTIVITY

Reactivity

No specific test data related to reactivity available for this product or its ingredients.

Chemical stability

This product is stable.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

No specific data

Incompatible materials

No specific data

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Haynes Oil	LC50	Rat	>5mg/l	4 hours
	Inhalation	Rabbit	>2000	-
	Dusts and mists	Rat	mg/kg	-
	LD50 Dermal		>5000	
LD50 Oral		mg/kg		

Irritation/Corrosion

Not available

Sensitization

Not available

Mutagenicity

Not available

Carcinogenicity

Not available

Conclusions/Summary:

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346.

Reproductive toxicity

Not available

Teratogenicity

Not available

Specific target organ toxicity (single exposure)

Not available

Specific target organ toxicity (repeated exposure)

Not available

Aspiration hazard

Not available

Information on the likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation

Potential acute health effects

Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

Symptoms related to the physical, chemical, and toxicological characteristics

Eye contact	No specific data
Inhalation	No specific data
Skin contact	No specific data
Ingestion	No specific data

Delayed and immediate effects and also chronic effects from short and long terms exposure

Short term exposure

Potential immediate effects	Not available
Potential delayed effects	Not available

Long term exposure

Potential immediate effects	Not available
Potential delayed effects	Not available

Potential Chronic health effects

Not available

General	No know significant effects or critical hazards.
Carcinogenicity	No know significant effects or critical hazards.
Mutagenicity	No know significant effects or critical hazards.
Teratogenicity	No know significant effects or critical hazards.
Development effects	No know significant effects or critical hazards.
Fertility effects	No know significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

12. ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
Haynes Oil	Acute LC50>100 mg/l	Daphnia	48 hours
	Acute LC50>10000 mb/l	Fish	96 hours

Persistence and Degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Haynes Oil	-	-	Inherent

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Haynes Oil	>6	-	high

Mobility in soil

Soil/water partition Coefficient (K_{oc}) Not available

Other adverse effects

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless full compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

RCRA Classification

Not regulated

14. TRANSPORT INFORMATION

	Dot Classification	TDG Classification	IMDG	IATA
UN Number	Not regulated	Not regulated	Not regulated	Not regulated

Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

15. REGULATORY INFORMATION

U.S. Federal regulations

TSCA 8(a) CDR Exempt/Partial exemption: This material is listed or exempted.
This material is listed or exempted.

**Clean Air Act Section 112
(b) Hazardous Air
Pollutants (HAPs)** Not listed

**Clean Air Act Section 602
Class I Substance** Not listed

**Clean Air Act Section 602
Class II Substance** Not listed

**DEA List I Chemicals
(Precursor Chemicals)** Not listed

**DEA List II Chemicals
(Essential Chemicals)** Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ Not applicable

SARA 311/312

Classification Not applicable

Composition/information on ingredients

Name	%	Fire Hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Haynes Oil	100	No	No	No	Yes	No

State Regulations

Massachusetts This material is not listed.

New York This material is not listed.

New Jersey This material is listed.

Pennsylvania This material is not listed.

California Proposition 65

This product is not known to contain chemicals currently listed as carcinogens or reproductive toxins.

International List

National inventory

Australia	This material is listed or exempted.
Canada	This material is listed or exempted.
China	This material is listed or exempted.
Europe	This material is listed or exempted.
Japan	This material is listed or exempted.
Malaysia	Not determined
New Zealand	This material is listed or exempted.
Philippines	This material is listed or exempted.
Republic of Korea	This material is listed or exempted.
Taiwan	This material is listed or exempted.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Procedure used to derive the classification

Classification	Justification
Not Classified	

History

Date of Issue/Date of Revision:

04/22/2015

Version:

2

Key to abbreviations

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Immediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN – United Nations

We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, expressed or implied, and we assume no responsibility for any loss, damage, of expense, direct or consequential, arising out of their use.