



SAFETY DATA SHEET

Section 1 – Identification

1.1 Product Identifiers

Product Name : CRYSTOL FG OIL

1.2 Product usage

Recommended Usage : Lubricating Oil
Restricted Usage : Not intended for any other usage

1.3 Emergency support

Emergency Support : CHEMTREC
United States +1(800) 424-9300
International +01(703) 527-3887

1.4 Supplier Information

David Weber Oil Company
601 Industrial Road
Carlstadt, NJ 07072

Phone: 201-438-7333
Fax: 201-438-3178
Email: sales@weberoil.com

Section 2- Composition/ Information on Ingredients

GHS Rating(s) : No Classified Hazards
Signal Word : Not Applicable
Prevention : P301 + P310 IF SWALLOWED Immediately call a POISON CENTER / doctor/physician
P331 DO NOT induce vomiting

NAME	CAS #	%
White mineral oil	See Below	>99

Section 3 - Hazards Identification

This product contains the following substances that present hazard within the meaning of the relevant State and Federal Hazardous Substance regulations. This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Ingredients	Weight %	GHS Classification	Reach registration #
White mineral oil CAS # 8042-47-5 EINECS # 232-455-8	>99	None	01-2119487078-27-0055

Section 4 – First aid Measures

4.1 First aid measures

General	: In all cases of doubt, or when symptoms persist, seek medical attention.
Eye Contact	: Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get Medical Attention if symptoms occur.
Inhalation	: Remove to fresh air and keep patient at rest in a position comfortable for breathing. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or. Maintain an open airway. Get medical attention if symptoms occur.
Skin Contact	: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Contact with skin not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin. Get medical attention if symptoms occur.
Ingestion	: Not expected to be harmful if swallowed. Do NOT induce vomiting.

4.2 Symptoms & Effects

To Physician	: Treat symptomatically. Contact poison specialist if product has been ingested.
Specific Treatment	: No specific Treatment.

Section 5 – Fire Fighting

5.1 Extinguishing Media

Suitable Media	: CO2, Dry chemical, water spray or Foam. Do not use water jet.
Specific hazards Arising from this product	: Hazardous decomposition: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion.

5.2 Firefighters Advice

Special protective equipment	:Fire Equipment Information: Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus with a full face-piece operated in positive pressure mode. self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment

General Measures Put on any appropriate personal protective equipment (see section 8)

6.2 Environmental Precautions

Non-Emergency Personnel: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using the toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3 Materials & Methods to Contain and Cleanup

Spill Control Measures : Eliminate all sources of ignition in vicinity of spilled material.

Containment and Cleanup

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via licensed waste disposal contractor. Contaminated absorbent material may pose the same threat hazard as the spilled product.

Reporting : Report spills to local authorities as appropriate or required.

Section 7 - Handling & Storage

7.1 Safe Handling

Precautions for Safe Handling

: Keep away from flames and hot surfaces. Use good personal hygiene practices and wear appropriate personal protective equipment. Spills will produce very slippery surfaces. .

Conditions for safe Storage

: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard

: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation and vacuum truck operations) and use appropriate mitigating procedures. For more information refer to OSHA Standard 29 CFR 1919.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignition Arising Out of Static, Lightning, and Stray Currents'

Container Warnings:

Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers be completely drained, properly closed and promptly returned to a drum reconditioner or disposed of properly.

Incompatible materials: Strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Section 8 - Exposure Control

8.1 United States Exposure Limits

CAS No.	Chemical Name	Source	Value
8042-47-5	White Mineral Oil	OSHA	exposure limits for oil mist are 5 mg/m3
		ACGIH	5mg/m3
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m3 OSHA PEL and 10 mg/m3 ACGIH.

Carcinogen Data

CAS no.	Ingredient	Source	Value
8042-47-5	White Mineral Oil	OSHA	Select Carcinogen : No
		NTP	Known: No; Suspected: No

8.2 Exposure Controls

- Eye / Face Protection** : If contact is likely, safety glasses with side shields are recommended.
- Skin / Hand Protection** : Butyl rubber. Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands and arms with soap and water. Use caution when opening manway covers of storage and transportation containers.
- Other Work Practices** : Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Section 9 - Physical & Chemical Properties

9.1 Information On Basic Physical and Chemical Properties

Physical state : Colorless Liquid

Odor : Petroleum Odor

Odor threshold : No Data Available

pH	: No Data Available
Freezing Point	: No Data Available
Boiling Point / Range	: > 260 C (500 F)
Flash Point COC	: 350F/177C
Evaporation rate:	: No Data Available
Upper Explosive Limits (% air)	: No Data Available
Lower Explosive Limits (% air)	: No Data Available
Flammability (solid, gas)	: Not Applicable
Vapor pressure	: <0.01 mmHg @ 37.8 C (100 F)
Vapor Density	:>1
Solubility	Soluble in hydrocarbon solvents, insoluble in water.
Viscosity (cSt)	: 25-120 cSt @ 40 C (104 F)
Pour Point	: -12C (10 F)

DMSO extract by IP346: Less than 3.0 Wt %

Section 10 - Stability & Reactivity

10.1 Material Analysis

Reactivity	: Hazardous Polymerization will not occur.
Chemical stability	: Stable Under Normal Circumstances.
Possibility of hazardous reactions	: None Known.
Conditions to avoid	: Extended exposure to high temperatures can cause decomposition. Avoid all possible sources of ignition.

10.2 Environmental

Incompatible materials	: Strong Acids, or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc..
Hazardous decomposition products	: Not anticipated under normal conditions use

Section 11- Toxicological Information

11.1 Toxicological Effects

Ingredient	Oral ID50 g/kg	Skin LD50, g/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, g/L/4hr	Inhalation Gas LD50, PPM
White Mineral Oil	>5 Rat – Category 5	>2g/kg Category 4	No data Available	>5 Rat – Category 5	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the products ATE (Acute Toxicity Estimate)

Classification	Category	Hazard Description
		Not Applicable
Acute Toxicity (oral)	-----	Not Applicable
Acute Toxicity (dermal)	-----	Not Applicable
Acute Toxicity (inhalation)	-----	Not Applicable
Skin Corrosion/irritation	-----	Not Applicable
Serious eye damage/irritation	-----	Not Applicable
Respiratory sensitization	-----	Not Applicable
Skin Sensitization	-----	Not Applicable
Germ cell mutagenicity	-----	Not Applicable
Carcinogenicity	-----	Not Applicable
Reproductive toxicity	-----	Not Applicable
Stot – single Exposure	-----	Not Applicable
Stot – repeated exposure	-----	Not Applicable
Aspiration hazard	-----	Not Applicable

Section 12 - Ecological Information

GHS Classification: No classified hazards

12.1. Toxicity

ECOTOXICITY

All acute aquatic toxicity studies on samples of similar oils show acute toxicity values greater than 100 mg/l for invertebrates, algae and fish. These tests were carried out on water accommodated fractions and the results are consistent with predicted aquatic toxicity of these substances based on their hydrocarbon composition. Not classified hazards.

ENVIRONMENTAL FATE This material is considered inherently biodegradable. This material is not expected to present and environmental problems other than those associated with oil spills. This material is not readily biodegradable. See Section 6 for Accidental Release Measures.

Aquatic Ecotoxicity

Ingredients	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
White Mineral Oil (8042-47-5)	5,000, Oncorhynchus mykiss	1,000, Daphnia magna	Not Available

12.2 Persistence and degradability

Persistence per IOPC Fund definition: persistent

12.3 Bioaccumulative potential

Not Measured

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6 Other adverse effects

None expected

Section 13 - Disposal Considerations

13.1 Waste treatment

Waste Disposal

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section – 14 Transportation Information

14.1 U.S. Department of Transportation (DOT)

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean)	ICAO/IATA Transportation)
14.1. UN number	Not Applicable		
14.2 UN proper Shipping name	PETROLIUM OIL, N.O.I.B.N., NOT REGULATED AS A HAZARDOUS MATERIAL	Not Regulated	Not Regulated
14.3 Transport Hazard class(es)	DOT Hazard Class: Not Applicable DOT Label: ---	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable

Section 15 - Regulatory Information

Regulatory Agency

Chemical List Status

(TSCA) Toxic WHMIS Classification US EPA Tier II Hazards

All components are either listed or not regulated US TSCA Inventory.
Not Regulated

Fire: No
Sudden Release of Pressure: No
Delayed (Chronic): No

Reactive: No
Immediate (Acute): No

National Chemical Inventories
White mineral oil
CAS No: 8042-47-5

New Jersey Right to Know (NJ RTK) : This material does not contain reportable chemicals.

Massachusetts Right to Know (MA RTK) : This material does not contain reportable chemicals.

**Pennsylvania
Right to Know (PA RTK)** : This material does not contain reportable chemicals.

**Rhode Island
Right to Know (RI RTK)** : This material does not contain reportable chemicals.

Section 16 - Other Information

Disclaimer: This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.