

S A F E T Y D A T A S H E E T

SECTION 1. IDENTIFICATION

GHS PRODUCT IDENTIFIER

Orange Solid Oil No. 2

IDENTIFICATION OF SUBSTANCE

Lubricating Grease

RECOMMENDED USE

Not Available

COMPANY IDENTIFICATION

Famous Lubricants, Inc.

124 W 47th St.

Chicago, Il. 60609 USA

EMERGENCY TELEPHONE NUMBER

During normal opening hours +1 (773)268-2555

SECTION 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Not classified as dangerous under EC/GHS-criteria

OSHA/HCS STATUS

While this material is not considered hazardous by OSHA Hazard Communication Standard (29 CFR 1910.1200) this SDS contains valuable information critical to the safe handling and proper use of the product.

HEALTH HAZARDS

Not classified

GHS LABEL ELEMENTS

No signal word

No known significant effects or critical hazards

PRECAUTIONARY STATEMENTS

Prevention: Avoid open flames/sparks/hot surfaces. Avoid contact with eyes,skin,clothing.

Response: not applicable

Storage: not applicable

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)

This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB)

SECTION 3. COMPOSITION/information on ingredients

CHEMICAL CHARACTERIZATION

Mixture

DESCRIPTION

Mixture of substances listed below

Chemical name	Common name and synonyms	CAS number	%
Distallates(petrol)	Base oil-hydrotreated heavy	64742-52-5	>89
Hydrotreated heavy napthenic			

Aluminum dihydroxy	Aluminum stearate soap	7047-84-9	<11
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SECTION 3. COMPOSITION/information on ingredients

CAS NUMBER/OTHER IDENTIFIERS
68553-92-4

THERE ARE NO 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

SECTION 4. FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

After inhalation: Supply fresh air, consult doctor in case of complaints
After skin contact: Immediately rinse with water
After eye contact: Rinse opened eye for several minutes with running water
After swallowing: If symptoms persist consult doctor
Information for doctor: most important symptoms and effects, both acute and delayed:
no further relevant information available
Indication of any immediate medical attention and special treatment needed:
no further relevant information available

SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable extinguishing agents: Use fire fighting measures that suit the environment
Special hazards arising from the substance or mixture: No further relevant information available
Advice for firefighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus ((SCBA) with a full face-piece operated in a positive pressure moded.
Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.
Hazardous thermal decomposition products: decomposition products may include carbon dioxide and carbon monoxide

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Not required

ENVIRONMENTAL PRECAUTIONS: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage in water course or sewage system. Do not allow to enter sewers/ surface or ground waters

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: SMALL SPILLS-move containers from spill area. Vacuum or sweep up material and place in designated labeled waste container. Absorb with inert dry material (sand, diatomite or sawdust). Dispose of via a licensed waste disposal contractor. LARGE SPILLS-move containers from spill area. Prevent entry into sewers, water courses, basements of confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Protective measures: put on appropriate protective equipment (see Section 8)
Conditions for safe storage: store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready to 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.

ADVICE 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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Occupational exposure limits:	<u>Ingredient Name</u>	<u>Exposure Limits</u>
	Distillates (petroleum)	ACGIH TLV (United States, 4/20/14)
	hydrotreated heavy	TWA: 5 mg/m ³ 8 hours. Form: Inhalable
	napthenic	fraction
		NIOSH REL (UNITED STATES, 10/20/13)
		TWA: 5 5 mg/m ³ 8 hours. Form: Mist
		STEL: 10 mg/m ³ 8 15 minutes.
		Form: mist
		OSHA PEL (United States 2/2013)
		TWA: 5 mg/m ³ 8 hours

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 workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used and 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 sideshields.

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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Skin protection: 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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state: semi-solid
Color: light amber
Odor: slight hydrocarbon
Odor threshold: not available
pH: not available
Boiling point/boiling range: not available
Flash point: Open cup 390°F minimum
Evaporation rate: <1 (butyl acetate = 1)
Ignition temperature: > 700°F
Auto igniting: product is not selfigniting
Decomposition temperature: not determined
Danger of explosion: product does not present an explosion hazard
Explosion limits: not available
Vapor pressure: <0.0013 kPa (<0.01 mm Hg) [room temperature]
Vapor density: >10 (air = 1)
Relative density: 0.88
Density lbs/gal: Estimated 7.42 lbs/gal
Solubility/Miscibility with water: not miscible
Solvent content: organic solvents 0.0%

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: not expected to be Explosive, Self-reactive, Self-heating, or an Organic Peroxide under US GHS Definition(s)
CHEMICAL STABILITY: the 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

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity

<u>Product/ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Dose</u>	<u>Exposure</u>
Distillates (petroleum)	LC 50 Inhalation	Rat	5.7 mg/l	4 hours
hydrotreated heavy	LD 50 Dermal	Rabbit	>2000 mg/kg	-
	LD 50 Oral	Rat	>5000 mg/kg	-
Stearic acid	LD 50 Oral	Rat	4.6 g/kg	-

SECTION 11. TOXICOLOGICAL INFORMATION

Irritation/Corrosion: prolong skin contact may cause temporary irritation
Serious eye damage/eye irritation: direct contact with eyes may cause temporary irritation
Sensitization: not a respiratory sensitizer
 : not expected to cause skin sensitization
Mutagenicity: no data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Carcinogenicity: this product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA
 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) not listed
Reproductive toxicity: this product is not expected to cause reproductive or developmental effects
Teratogenicity: not available
Specific target organ toxicity (single exposure): not available
Specific target organ toxicity (repeated exposure): not available
Aspiration hazard: not an aspiration hazard
Chronic effects: not available
Information on likely routes of exposure: dermal

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 TERM 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:
 General: no known significant effects or critical hazards
 Carcinogenicity: no known significant effects or critical hazards
 Mutagenicity: no known significant effects or critical hazards
 Teratogenicity: no known significant effects or critical hazards
 Developmental effects: no known significant effects or critical hazards
 Fertility effects: no known significant effects or critical hazards

NUMERICAL MEASURES OF TOXICITY

Acute toxicity estimates: not available

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY

Aquatic toxicity: no further information available
Persistence and degradability: no further information available

BEHAVIOR IN ENVIRONMENTAL SYSTEMS

Bioaccumulative potential: no further information available
Behavior in soil: no further information available

SECTION 12. ECOLOGICAL INFORMATION

OTHER ADVERSE EFFECTS

No known significant effects or critical hazards

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

The generation of waste should be avoided or minimized wherever possible. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled.

SECTION 14. TRANSPORTATION INFORMATION

UN NUMBER	DOT CLASSIFICATION	TDG CLASSIFICATION	IMDG	IATA
	not regulated	not regulated	not regulated	not reg.
UN PROPER SHIPPING NAME	-	-	-	-
TRANSPORT HAZARD CLASS	-	-	-	-
PACKING GROUP	-	-	-	-
ENVIRONMENTAL HAZARDS	no	no	no	no
ADDITIONAL	-	-	-	-
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE	not available			

SECTION 15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: United States Inventory (TSCA 8b)

All components are listed or exempted

This material is classified as an oil under section 311 of the Clean Water Act and the Oil Pollution Act of 1990. Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPS National Response Center.

SARA 302/304

COMPOSITION/INFORMATION ON INGREDIENTS

SARA 304 RQ: not applicable

SARA 311/312

Classification: not applicable

SECTION 15. REGULATORY INFORMATION

CLEAN AIR ACT SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS) LIST

Not listed

CLEAN AIR ACT SECTION 602 CLASS I SUBSTANCES

Not listed

CLEAN AIR ACT SECTION 602 CLASS II SUBSTANCES

Not listed

DEA LIST I CHEMICALS (PRECURSOR CHEMICALS)

Not listed

DEA LIST II CHEMICALS (ESSENTIAL CHEMICALS)

Not listed

STATE REGULATIONS

Massachusetts: none of the components are listed

New York: none of the components are listed

New Jersey: none of the components are listed

Pennsylvania RTK: not regulated

California Proposition 65: this product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins

INTERNATIONAL LISTS

COUNTRY OF ORIGIN

Australia Inventory (AICS): all of the components are listed or exempted

China Inventory (IECSC): all of the components are listed or exempted

Japan Inventory (ENCS): all of the components are listed or exempted

Canada (DSL): all of the components are listed or exempted

Canada (WHIMS): not controlled

Malaysia (EHS Register): not determined

Philippines (PICCS): all of the components are listed or exempted

Europe (EINECS): all of the components are listed or exempted

Korea (ECL): all of the components are listed or exempted

SECTION 16. OTHER INFORMATION

THIS INFORMATION IS BASED ON OUR PRESENT KNOWLEDGE AND EXPERIENCE CURRENTLY AVAILABLE. HOWEVER, THIS SHALL NOT CONSTITUTE A GUARANTEE FOR ANY SPECIFIC PRODUCT FEATURES AND SHALL NOT ESTABLISH A LEGALLY VALID CONTRACTUAL RELATIONSHIP. THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED OR IMPLIED REGARDING ITS CORRECTNESS OR ACCURACY.

Key to abbreviations

ATE-Acute toxicity estimate

BCF-Bioconcentration factor

GHS-Globally Harmonized System of Classification and Labeling of Chemicals

ACGIH-American Conference of Governmental Industrial Hygienists

IMDG-International Maritime Dangerous Goods

CAS-Chemical Abstracts Service (division of American Chemical Society)

MARPOL 73/76-International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978

LC50-Lethal concentration, 50 percent

LD50-Lethal dose, 50 percent

Issue date: 1-1-19

Version: 02

Department issuing SDS: Technical Dept

Trade name: lubricating grease