

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name Hasco Forge FO4-326D

Relevant identified uses of the substance or mixture

Recommended use Forging Compound

Details of the supplier of the safety data sheet

Manufacturer Hasco Oil Company Inc.
 2800 Temple Ave
 Long Beach, CA 90806
 United States
 www.hascooil.com

Telephone (General) (562) 595-8491

Emergency telephone number

Manufacturer 1 (800) 424-9300 - Chemtrec USA

Section 2: Hazard Identification

UN GHS

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Classification of the substance or mixture

UN GHS Eye Mild Irritation 2B
 Skin Irritation 2

Label elements

UN GHS

WARNING



Hazard statements Causes skin irritation
 Causes eye irritation

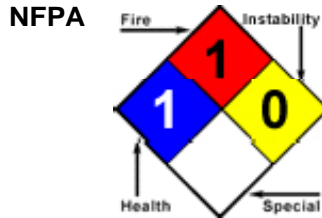
Precautionary statements

- Prevention** Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Use personal protective equipment as required.
- Response** IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.
- Storage/Disposal** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards

UN GHS No data available

Other information



Section 3 - Composition/Information on Ingredients

Substances

Composition		
Chemical Name	Identifiers	%
Mineral oil, petroleum distillates, solvent-refined (severe) heavy naphthenic	CAS: 64741-96-4	<10%
2-ethyl-Hexanoic acid	CAS:149-57-5	< 2%
Polymers	Withheld as trade secret	< 10%
Graphite, Synthetic	CAS: 7782-42-5	<10 %
Mineral oil, petroleum distillates, hydrotreated (mild) light naphthenic	CAS: 64742-53-6	60% to 70%

Section 4: First-Aid Measures

Description of first aid measures

- Inhalation** If inhaled, remove to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Get medical attention.
- Skin** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Flush with fresh water if contact with skin or eyes. After contact with skin, immediately flush skin with plenty of water for at least 15 minutes. Take off immediately all contaminated clothing and shoes and wash immediately before reuse.

Eye	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. If conscious, give 2 glasses of water. Get immediate medical attention. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media In case of fire, use water fog, foam, dry chemicals, or carbon dioxide.

Unsuitable Extinguishing Media Do not use water jet.

Firefighting Procedures No actions shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire- exposed containers cool. Keep unauthorized personnel away.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards Non-explosive in the presence of the following materials or conditions: open flames, sparks, and static discharge, heat, shocks and mechanical impacts.

Hazardous Combustion Products May be combustible at high temperature.

Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment. Follow all fire fighting procedures.

Emergency Procedures As an immediate precautionary measure, isolate spill or leak area in all directions. Keep unauthorized personnel away.

Environmental precautions

Avoid contact of spilled material with soil and prevent runoff entering surface waterways.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7 - Handling and Storage

Precautions for safe handling

Handling Avoid contact with skin and clothing. Avoid contact with eyes. Use only with adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable. Wash thoroughly after handling. Do not heat up to temperatures at close range to flash point.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed. Keep container in a cool, well ventilated area. Empty containers may contain harmful and / or combustible vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits

Hazardous Components	OSHA PEL	ACGIH TLV	Other Information
Graphite Synthetic (as Total Dust) (as Respirable Dust)	15 mg/m ³ 5 mg/m ³	None 2 mg/m ³	None
Mineral oil - Mist	5 mg/m ³	5 mg/m ³	None
2-Ethylhexanoic Acid	N/E	5 mg/m ³	Inhalable Fraction and

Protective Measures: Provide easy access to water supply and eye wash facilities. Good general ventilation should be provided. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.

Eye Protection: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Contaminated work clothing should be laundered prior to re-use. Discard contaminated footwear that cannot be cleaned. Avoid contact with skin, eyes, and clothing.

Personal Protective Equipment

Pictograms



Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Liquid
Color	Dark Brown	Odor	Mild.
Taste	Not relevant	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Not relevant		
General Properties			
Boiling Point	No Data Available	Melting Point	Not relevant
Viscosity	~ 43 cSt @ 104 F(40 C)	Explosive Properties	Not relevant
Oxidizing Properties:	Not relevant		
Decomposition Temperature	No Data Available	Heat of Decomposition	No Data Available
pH	Not relevant	Specific Gravity/Relative Density	~ 0.95 @ 60 F(15.5556 C)
Density	~ 7.91 lbs/gal @ 77 F(25 C)	Bulk Density	No Data Available
Water Solubility	Not Soluble	Solvent Solubility	No Data Available
Volatility			
Vapor Pressure	No Data Available	Vapor Density	No Data Available
Evaporation Rate	No Data Available	VOC (Wt.)	No Data Available
VOC (Vol.)	No Data Available	Volatiles (Wt.)	No Data Available
Volatiles (Vol.)	No Data Available		
Flammability			
Flash Point	260 F(126.6667 C) COC (Cleveland Open Cup)	UEL	No Data Available
LEL	No Data Available	Flame Duration	No Data Available
Heat of Combustion (ΔH_c)	No Data Available	Burning Time	No Data Available
Flame Height	No Data Available	Flame Extension	No Data Available
Ignition Distance	No Data Available	Self-Accelerating Decomposition Temperature (SADT)	No Data Available
Autoignition	No Data Available	Flammability (solid, gas)	No Data Available
Environmental			
Half-Life	Not relevant	Octanol/Water Partition coefficient	Not relevant
Coefficient of water/oil	Not relevant	Bioaccumulation Factor	Not relevant
Bioconcentration Factor	Not relevant	Biochemical Oxygen Demand BOD/BOD5	Not relevant
Chemical Oxygen Demand	Not relevant	Persistence	Not relevant
Degradation	Not relevant		

Section 10: Stability and Reactivity

Reactivity No dangerous reaction known under conditions of normal use.

Chemical stability Stable

Possibility of hazardous reactions
Hazardous polymerization not indicated.

Conditions to avoid Oxidizing agents. Do not heat above the flash point.

Incompatible materials This product may react with strong oxidizing agents.

Hazardous decomposition products
No data available.

Section 11 - Toxicological Information

Information on toxicological effects

GHS Properties	Classification
Acute toxicity	UN GHS •
Aspiration Hazard	UN GHS •
Carcinogenicity	UN GHS •
Germ Cell Mutagenicity	UN GHS •
Skin corrosion/Irritation	UN GHS • Skin Irritation 2
Skin sensitization	UN GHS •
STOT-RE	UN GHS •
STOT-SE	UN GHS •
Toxicity for Reproduction	UN GHS •
Respiratory sensitization	UN GHS •
Serious eye damage/Irritation	UN GHS • Eye Mild Irritation 2B

Potential Health Effects

Inhalation

Acute (Immediate) No data available

Chronic (Delayed) No data available

Skin

Acute (Immediate) No data available

Chronic (Delayed) No data available

Eye

Acute (Immediate) No data available
Chronic (Delayed) No data available

Ingestion

Acute (Immediate) No data available
Chronic (Delayed) No data available

Other information

Contains material which may cause damage to the following organs: kidneys.

Section 12 - Ecological Information

Toxicity

No data available

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in Soil

No data available.

Other adverse effects

Ecological Fate

No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

Avoid contact of spilled material with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

Packaging waste

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping	Transport hazard class (es)	Packing group	Environmental hazards
DOT		Not regulated			
IMO/IMDG		Not regulated			
IATA/ICAO		Not regulated			

Special precautions for user No data available

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

Other information

No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications No data available

TSCA Inventory: All the components of this product are listed on, or are automatically included as 'natural occurring chemical substances on, or are exempted from the requirements to be listed on the TSCA inventory.

Other Information

CALIFORNIA PROPOSITION 65: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

- This product contains materials on the New Jersey Worker and Community Right-to-Know Act
- This product contains materials on the Massachusetts Right-to-Know Act substance list.
- This product contains materials on the Pennsylvania Right-to-Know Act hazardous substance list.

Section 16 - Other Information

Revision	2
Preparation Date	January 17, 2017
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