

SAFETY DATA SHEET

Fusion Quench 10

SECTION 1- Chemical Product and Company Identification

PRODUCT NAME

FUSION QUENCH 10

RECOMMENDED USE

HEAT TREATING

MANUFACTURER'S NAME:

FUSION CHEMICAL CORPORATION

ADDRESS:

 350 S. NORTHWEST HIGHWAY
 PARK RIDGE, IL 60068

CHEMICAL FAMILY:

COMPOUNDED PETROLEUM OIL

EMERGENCY TELEPHONE:

(847) 656-5285

FORMULA:

PROPRIETARY INFORMATION

EMERGENCY EMAIL:
Sales@fusion-chemical.com
UPDATED:

2-11-2015

UPDATED BY: MSE

SECTION 2- Hazards Identification

PHYSICAL HAZARDS:

Not Classified

HEALTH HAZARDS:

Aspiration Hazard

Category 1

ENVIRONMENTAL HAZARDS:

Not Classified

OSHA DEFINED HAZARDS:

Not Classified

LABEL ELEMENTS:

SIGNAL WORD:

Danger

HAZARD STATEMENT:

Not available

PREVENTION:

Do not breathe gas/mist/vapors/spray.

RESPONSE:

IF exposed or concerned: Get medical advice/attention

STORAGE:

Store in accordance with local/regional/national regulation

DISPOSAL:

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. See section 13 of this SDS for disposal instructions.

HAZARDS NOT OTHERWISE
CLASSIFIED (HNOC):

None Known

ADDITIONAL INFORMATION:

None

SECTION 3- Composition/information on ingredients

SUBSTANCES
Chemical Name
Common name
CAS number

Other components below reportable levels.

COMPOSITION COMMENTS: A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30. It produces finished oil with a viscosity of less than 100 SUS @ 100° F.

SECTION 4- First Aid Measures

Eye Contact: Flush eyes with large amounts of water for 15 minutes. If eye irritation develops or persists get medical help.

Skin Contact: Remove contaminated clothing. Wash affected area with a waterless hand cleaner, and/or soap and water. If irritation persists, consult a physician.

Inhalation: Remove to fresh air. Get medical attention if symptoms persist.

Aspiration: If there is any suspicion of aspiration into the lungs obtain medical advice.

Ingestion: If the material is swallowed, get immediate medical attention—Do not induce vomiting.

Notes to Physician: This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

SECTION 5- Fire-Fighting Measures

Flash Point: F

Flash Point Method: COC

Burning Rate: Not determined

Lower Flammable Limit (LFL): Not determined

Upper Flammable Limit (UFL): Not determined

Flammability Classification: Not determined

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog. Water may be ineffective in fighting an oil fire unless used by experienced fire fighters.

General Fire Hazards: Fire and explosion hazards are moderate when this product is exposed to heat or flame

Hazardous Combustion Procedures: Carbon monoxide and carbon dioxide. Decomposition of this product may yield oxides of sulfur and nitrogen. Decomposition of this product may yield oxides of phosphorus.

Fire-Fighting Equipment/Instruction: Do not point solid water stream directly into burning oil to avoid spreading. Wear full set of protective equipment including chemical goggles and gloves.

SECTION 6- Accidental Release Measures

Containment Procedures: Contain the discharge material. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Clean-Up Procedures: Absorb with inert absorbent such as dry clay, sand, or diatomaceous earth. Scoop up used absorbent into drums. Dispose of spent absorbent in an approved industrial waste landfill. Do not allow the spilled product to enter public drainage system or open water courses. Thoroughly wash the area after a spill or leak clean-up.

Evacuation Procedures: Isolate area. Keep unnecessary personnel away.

Special Instructions: Wear appropriate protective equipment and clothing during clean-up. Surfaces may become slippery after spillage.

Spill to Navigable Waters: If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the Nation Response Center.

SECTION 7- Handling and Storage

PROCEDURES FOR HANDLING: Avoid getting this material into contact with your skin and eyes. Avoid the generation of oil mists. Wash hands after handling and before eating. Keep this product from heat, sparks, or flames.

RECOMMENDED STORAGE METHODS: Keep the container tightly closed and in a cool, well-ventilated place. When using this material, do not eat, drink or smoke. Do not store this material in open or unlabeled containers. Store away from strong oxidizers.

SECTION 8- Exposure Controls/Personal Protection

OCCUPATIONAL EXPOSURE LIMITS

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS 64742-56-9)	PEL	5 mg/m ³	Mist.

US. ACGIH Threshold Limit Values

Material	Type	Value	Form
HyGold 100	TWA	5 mg/m ³	Inhalable fraction

Components	Type	Value	Form
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS 64742-56-9)	TWA	5 mg/m ³	Inhalable fraction

US. NIOSH: Pocket Guide to Chemical Hazards

Material	Type	Value	Form
HyGold 100	STEL	10 mg/m ³	Mist.

	TWA	5 mg/m ³	Mist.
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Components	Type	Value	Form
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS 64742-56-9)	STEL	10 mg/m ³	Mist.

	TWA	5 mg/m ³	Mist.
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BIOLOGICAL LIMIT VALUES: No biological limits noted for the ingredient(s).

ENGINEERING CONTROLS: Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

EYE/FACE PROTECTION: Wear chemical goggles or a full face shield.

SKIN PROTECTION: Use impervious gloves for prolonged contact. Wear oil-impervious garments if contact is unavoidable. The use of neoprene gloves is recommended.

RESPIRATORY PROTECTION: If workplace exposure limit is exceeded use NIOSH-approved disposable dust/mist mask breathing apparatus for entry into confined space in the absence of proper environmental control.

GENERAL: Use good hygiene when handling petroleum product.

SECTION 9- Physical and Chemical Properties

APPEARANCE: Amber

Physical State: Liquid

Form: Liquid

ODOR: MILD

ODOR THRESHOLD: Not available

pH: Not applicable

MELTING POINT: <30° F(-34.44° C) ASTM D-5949/ISO 3016

VISCOSITY AT 100°F, SUS: 81.0

GRAVITY, °API: 32.2

SOLUBILITY IN WATER: NO

FLASH POINT °F: 375 F

BOILING POINT °F: NA

POUR POINT °F: -20

VAPOR PRESSURE (MM HG 20C): NA

EVAPORATION RATE: Not available

VAPOR DENSITY: Not available

RELATIVE DENSITY: Not available

RELATIVE DENSITY

TEMPERATURE: 60° F (15.56° C) ASTM D-4052/ISO 12185

FLAMMABILITY (solid,gas): Not available

Upper/lower flammability or explosive limits

Flammability limit-lower (%): Not available

Flammability limit-upper (%): Not available

Explosive limit- lower (%): Not available

Explosive limit- upper (%): Not available

PARTITION COEFFICIENT

(n-octanol/water): Not established

AUTO-IGNITION

TEMPERATURE: >600° F (>315.56° C) ASTM E-659

DECOMPOSITION

TEMPERATURE: 20cSt [104° F (40° C) ASTM D-445/ISO 3104]

SECTION 10- Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Hazard polymerization will not occur.

Chemical Incompatibilities: This product may react with strong oxidizing agents.

Conditions to Avoid (Stability): High temperatures and open flames.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, oxides of sulfur and nitrogen.

SECTION 11- Toxicological Information

Acute Toxicity/ Target Organ Information:

A. General Product/Component Information

Product may be irritating to the skin, eyes, and respiratory system. Repeated skin contact with this product may cause dermatitis or an oil acne. Excessive inhalation of oil mist may cause accumulation of mineral oil in the lungs accompanied by pulmonary fibrosis.

B. Component LD50/LC50- No data available for product.

Epidemiology: No data available for this product.

Carcinogenicity:

A. General Product/Component Information: No data available on the product as a whole. Prolonged and repeated skin contact with some mildly treated or untreated mineral oils have produced skin cancer in laboratory animals. Note that USED oils tend to contain higher amounts of the cancer-causing aromatics, which have been linked to scrotal and lung cancer in humans

B. Component Carcinogenicity Listing: None of this product's components are listed by ACGIH, IARC, NIOSH, NTP or OSHA.

Teratogenicity/Reproductive Effects: No data available for the product as a whole.

Neurotoxicity: High vapor/aerosol concentrations (attainable only at elevated temperatures) may cause central nervous system effects such as dizziness, drowsiness or headaches.

Mutagenicity: No data available on this product as a whole.

Other Information: No information available.

SECTION 12- Ecological Information

Ecotoxicity: No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.

Environmental Fate: No information is available.

SECTION 13- Disposal Considerations

U.S. EPA Waste Number & Descriptions

A. General Product Information: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. All waste must be handled in accordance with local, state, and federal governments

B. Component Waste Numbers: No EPA Waste Numbers are applicable for this product's components

Disposal Instructions: Dispose of waste material according to Local, State, Federal, and Provincial Environment Regulation.

SECTION 14- Transportation Information

Proper Shipping Name: Not regulated as hazardous material

Hazard Class: Not regulated

DOT ID No.: Not regulated

Packing Group: Not regulated

DOT Shipping Label: None required

Additional Shipping Information: Not regulated

International Transportation Regulations: Not regulated as dangerous goods.

SECTION 15- Regulatory Information

US FEDERAL REGULATIONS: This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986

(SARA) Hazard categories:

Immediate Hazard	- Yes
Delayed Hazard	- No
Fire	
Hazard-	No
Pressure	

Hazard - No
Reactivity
Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312

Hazardous chemical: Yes

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act: (SDWA)

Not regulated.

US state regulations: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

Not Listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China	Yes
Europe	European Inventory of Existing Commercial Chemical Substances	Yes
Europe	European List of Notified Chemical Substances	No
Japan	Inventory of Existing and New Chemical Substances	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16- Other Information

NFPA RATINGS: Health 0; Flammability 1; Reactivity 0

HMIS RATINGS: Health 1; Flammability 1; Reactivity 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE-Personal Protection Equipment Index recommendation, *- Chronic Effect Indication). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Fusion Chemical Corporation Environmental Health and Safety Department.