

# Safety Data Sheet

Product Trade Name: **50 QUENCH OIL**

ID: 50QUOIL

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

Product Trade Name: **50 QUENCH OIL**

### Manufacturer Information

#### **Heatbath Corporation**

P.O. Box 51048  
Indian Orchard, MA 01151-5048

Contact Phone: (413) 452-2000  
8:00 AM - 5:00 PM

CHEMTREC Emergency Phone: (800) 424-9300  
24 Hours

CHEMTREC International: (703) 527-3887

**Recommended Use:** Heat treating quench oil

**Restrictions on Use:** See Incompatibility, Section 10

## \*\*\* Section 2 - Hazards Identification \*\*\*

**OSHA Hazard Communication Standard:** Considered a Hazardous Substance by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Not classified as Dangerous Goods for transport purposes.

**Hazard Classification:** Aspiration Hazard Category 1 | Eye Irritation Category 2B | STOT - SE (Narcosis) Category 3

### **Labeling:**



**Signal Word:**

**DANGER!**

**Hazard Statements:**

May be fatal if swallowed and enters airways. Causes eye irritation. May cause drowsiness or dizziness.

**PREVENTION:**

Obtain special instructions before use. Use only in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray.

**FIRST AID/IN CASE OF FIRE:**

IF SWALLOWED: Immediately call a POISON CENTER/doctor/... IF exposed or concerned: Get medical advice/ attention. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor/...if you feel unwell. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**STORAGE:**

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

**DISPOSAL:**

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

**Hazards Not Otherwise Classified:** N.A.

**Percent of Ingredients of Unknown Toxicity:** N.A.

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

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HAZARDOUS INGREDIENT	CAS #	PERCENT
DISTILLATES PETROLEUM MIDDLE HYDROTREATED	64742-46-7	70 - 90%(T.S.)
PARAFFINIC DISTILLATE HEAVY HYDROTREATED (MILD)	64742-54-7	1 - 10% (T.S.)

T.S. = Trade Secret

\*per CFR 29, Part 1910.1200; ingredients listed only if deemed hazardous and comprise 1% or greater of the compositionn (0.1% or greater for carcinogens).

**Component Related Regulatory Information:** This product may be regulated, have exposure limits or other information identified.

## \* \* \* Section 4 - First Aid Measures \* \* \*

If this product comes in contact with the eyes: Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay; if pain persists or recurs seek medical attention. If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully.

## \* \* \* Section 5 - Fire Fighting Measures \* \* \*

**Flash Point:** 275 °F

**Upper Flammable Limit** N.E.

**Flammable Limits:** N.E.

**Lower Flammable Limit** N.E.

**Extinguishing Media, PPE and Guidance for FireFighter:** Foam. Dry chemical powder. BCF (where regulations permit). Avoid contamination with oxidizing agents i.e. nitrates, oxidizing acids, chlorine bleaches, pool chlorine etc. as ignition may result. Alert Fire Department and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course.

**Fire and Explosion Hazards:** Combustible. Slight fire hazard when exposed to heat or Flammables. Heating may cause expansion or decomposition leading to violent rupture of containers.

**Decomposition Products:** Carbon dioxide, carbon monoxide, various hydrocarbons under thermal decomposition.

## \* \* \* Section 6 - Accidental Release Measures \* \* \*

**Containment and Clean up procedures must be conducted in accordance with all local, state, and federal regulations.**

**Containment and Clean-Up Procedures:** Remove all ignition sources. Clean up all spills immediately. Avoid breathing vapors and contact with skin and eyes. Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus.

## \* \* \* Section 7 - Handling and Storage \* \* \*

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**Handling and Storage Procedures:** Containers, even those that have been emptied, may contain explosive vapors. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Electrostatic discharge may be generated during pumping - this may result in fire. Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. CARE: Water in contact with heated material may cause foaming or a steam explosion with possible severe burns from wide scattering of hot material. Resultant overflow of containers may result in fire. Avoid reaction with oxidizing agents. Avoid water contamination. Emptied containers of this product may contain hazardous vapors and residue. Clean thoroughly before reusing or discarding. Do not use a welding torch to cut container. Do not use for water or food storage.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines:

**A. General Product Information:** Follow all applicable exposure limits. Keep formation of airborne mists to a minimum.

### B. Component Exposure Limits:

CAS #	HAZARDOUS INGREDIENT	OSHA PEL(mg/m3)	ACGIH TLV(mg/m3)
64742-54-7	PARAFFINIC DISTILLATE HEAVY HYDROTREATED (MILD)	5	5
64724-46-7	DISTILLATES PETROLEUM MIDDLE HYDROTREATED	5	5

\*OSHA-PEL and ACGIH-TLV are 8-Hour TWA unless otherwise noted.

\*per CFR 29, Part 1910.1200; ingredients listed only if deemed hazardous and comprise 1% or greater of the composition (0.1% or greater for carcinogens).

**Engineering Controls:** Set up ventilation to effectively remove and prevent buildup of any dust, vapor or mist generated from the handling of this product.

### PERSONAL PROTECTIVE EQUIPMENT

**Eyes/Face Protective Equipment:** Wear appropriate eye protection to prevent eye contact.

**Skin Protection:** Wear appropriate personal protective clothing to prevent skin contact. The worker should immediately wash the skin when it becomes contaminated. Remove wet or significantly contaminated work clothing and replace.

**Respiratory Protection:** If ventilation is not sufficient to effectively prevent buildup of dust, mists or vapors, provide appropriate NIOSH/MSHA respiratory protection.

**Personal Protective Equipment:** Provide eyewash fountains in areas where there is any possibility that workers could be exposed to the substance; this is irrespective of the recommendation involving the wearing of eye protection.

Provide facilities for quickly drenching the body within the immediate work area for emergency use where there is a possibility of exposure. Depending on the specific circumstances, a deluge shower, a sink or hose could be considered adequate.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

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**Physical State:** Liquid

**Color:** Amber color liquid,  
oil odor.

**pH:** Not Available

**Specific Gravity:** 0.83

**Evaporation Rate:** N.E.

**Solubility Water:** Insoluble.

**Vapor Density:** N.E.

**Vapor Pressure:** N.E.

**Octanol-Water Coefficient:** N.E.

**Boiling Point:** N.E.

**Melting Point:** Not Available

**Flash Point:** 280 F (221 C)

**Auto-Ignition Temperature:** N.E.

**Decomposition Temperature:** N.E.

**Flammability Limits - Low:** N.E.

**Hi:** N.E.

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

**Chemical Stability:** Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerization will not occur. Presence of heat source and ignition source

**Conditions to Avoid:** temps >275 °F

**Incompatibility:** Strong oxidizers.

**Decomposition Products:** carbon dioxide, carbon monoxide, various hydrocarbons under thermal decomposition.

**Hazardous Polymerization:** Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

**Route of Exposure:** eye/skin contact, inhalation, ingestion.

### Acute Toxicity:

#### A: General Product Information

**Eye Contact:** There is some evidence to suggest that this material can cause eye irritation and damage in some persons. Instillation of isoparaffins into rabbit eyes produces only slight irritation. Direct eye contact with petroleum hydrocarbons can be painful, and the corneal epithelium may be temporarily damaged. Aromatic species can cause irritation and excessive tear secretion.

**Skin Contact:** Repeated exposure may cause skin cracking, flaking or drying following normal handling and use. Skin contact with the material may damage the health of the individual; systemic effects may result following absorption. Skin exposure to isoparaffins may produce slight to moderate irritation in animals and humans. Rare sensitization reactions in humans have occurred.

**Skin Absorption:** No information available for this product.

**Ingestion:** Swallowing of the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis; serious consequences may result. (ICSC13733) Accidental ingestion of the material may be damaging to the health of the individual. Isoparaffinic hydrocarbons cause temporary lethargy, weakness, inco-ordination and diarrhea. Ingestion of petroleum hydrocarbons can irritate the pharynx, esophagus, stomach and small intestine, and cause swellings and ulcers of the mucous.

**Inhalation:** Inhalation of vapors may cause drowsiness and dizziness. This may be accompanied by sleepiness, reduced alertness, loss of reflexes, lack of co-ordination, and vertigo. Inhalation of vapors or aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual. There is some evidence to suggest that the material can cause respiratory irritation in some persons.

**Chronic Hazards:** Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. Constant or exposure over long periods to mixed hydrocarbons may produce stupor with dizziness, weakness and visual disturbance, weight loss and anemia, and reduced liver and kidney function. Skin exposure may result in drying and cracking and redness of the skin.

### Carcinogenicity:

#### a: Component Carcinogenicity:

None.

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NTP: No.  
OSHA: No.

IARC: No.

**Reproductive/Genetic/Developmental Effects:** No information available.

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity:

#### A: General Product Information

No information available for this product.

#### B. Component Analysis - Ecotoxicity - Aquatic Toxicity:

No information available for this product.

**Persistence and Mobility:** No information available for this product

**Environmental:** for lubricating oil base stocks: Vapor Pressure Vapor pressures of lubricating base oils are reported to be negligible. In one study, the experimentally measured vapor pressure of a solvent-dewaxed heavy paraffinic distillate base oil was  $1.7 \times 10^{-4}$  Pa. Since base oils are mixtures of C15 to C50 paraffinic, naphthenic, and aromatic hydrocarbon isomers, representative components of those structures were selected to calculate a range of vapor pressures. The estimated vapor pressure values for these selected components of base oils ranged from  $4.5 \times 10^{-1}$  Pa to  $2 \times 10^{-13}$  Pa.

**Mobility in Soil:** No information available.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

Wastes must be tested using methods described in 40 CFR Part 261. It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous wastes. State and local regulations may differ from Federal disposal regulations. Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.

## \*\*\* Section 14 - Transportation Information \*\*\*

**US DOT Information:** OIL, LUBRICATING N.O.I., NOT D.O.T. REGULATED

**Marine Pollutant:** No

**IMDG Classification:** None

**IATA Classification:** None

The data provided in this section is for information only and may not be specific for the package size or mode of transportation. See package label for further details.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: General Product Information

No additional information available.

#### B: Component Analysis

This material may contain chemicals, requiring identification under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

HAZARDOUS COMPONENT	CERCLA RQ LBS.	SECT 302 TPQ LBS.	SECT 313* TOXIC	Maximum %
No CERCLA or SARA 313 components				

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Sara 311/312 Hazards:	Immediate (Acute)	TRUE
	Chronic*	TRUE
	Fire	FALSE
	Sudden Release-of-Pressure	FALSE
	Reactive	FALSE

## State Regulations

### A: General Product Information

No additional information available.

## Other Regulations

### A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

### B: Component Analysis - Inventory

## \*\*\* Section 16 - Other Information \*\*\*

### Revision Date:

Rev. 1, June 1, 2015

### Key/Legend:

ACGIH = American Conference of Governmental Industrial Hygienists	NFPA = National Fire Protection Association
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act	NIOSH = National Institute for Occupational Safety and Health
EPA = Environmental Protection Agency	NTP = National Toxicology Program
HMIS = Hazardous Material Identification System	OSHA = Occupational Safety and Health Administration
IARC = International Agency for Research on Cancer	SARA = Superfund Amendments and Reauthorization Act
MSHA = Mine Safety and Health Administration	TSCA = Toxic Substance Control Act

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Heatbath Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

This is the end of SDS for 50 QUENCH OIL.