Safety Data Sheet

Product Trade Name: **AAA QUENCH OIL** **ID:** AAAQUOIL

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

Product Trade Name: **AAA 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. Wear protective gloves/protective clothing/eye protection/face protection.

FIRST AID/IN CASE OF FIRE: IF exposed or concerned: Get medical advice/ attention.

STORAGE: Store locked up.

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 * * *

HAZARDOUS INGREDIENT	CAS #	PERCENT
PARAFFINIC DISTILLATE LIGHT SOLVENT-REFINED (MILD)	64741-89-5	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 composition (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 eyes: Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. If skin or hair contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. For thermal burns: Decontaminate area around burn. If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus. 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.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point: 335 F
Flammable Limits: N.E.
Upper Flammable Limit 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: Slippery when spilt. Remove all ignition sources. Clean up all spills immediately. Clear area of personnel and move upwind. Alert Fire Department and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus.

* * * Section 7 - Handling and Storage * * *

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:

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CAS #	HAZARDOUS INGREDIENT	OSHA PEL(mg/m3)	ACGIH TLV(mg/m3)
64741-89-5	PARAFFINIC DISTILLATE LIGHT SOLVENT REFINED (MILD)	5	5
64742-54-7	PARAFFINIC DISTILLATE HEAVY HYDROTREATED (MILD)	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 * * *

Physical State: Liquid
Color: Amber color liquid, oil odor.
pH: Not Available
Specific Gravity: 0.86
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: 340 F (168 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.

Conditions to Avoid: Temps >340 °F

Incompatibility: Strong oxidizers.

Decomposition Products: See section 5

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: Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn). 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: The liquid may be miscible with fats or oils and may degrease the skin, producing a skin reaction described as non-allergic contact dermatitis. The material is unlikely to produce an irritant dermatitis as described in EC Directives . The material may accentuate any pre-existing dermatitis condition Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

Skin Absorption: No information available for this product.

Ingestion: The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. Ingestion of petroleum hydrocarbons can irritate the pharynx, esophagus, stomach and small intestine, and cause swellings and ulcers of the mucous. Symptoms include a burning mouth and throat; larger amounts can cause nausea and vomiting, narcosis, weakness, dizziness, slow and shallow breathing, abdominal swelling, unconsciousness and convulsions.

Inhalation: The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Inhalation hazard is increased at higher temperatures. Inhalation of vapors may cause drowsiness and dizziness.

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.

NTP:	No.	**IARC:**	No.
OSHA:	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.

Persistance 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 x 10exp-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 x 10exp-1 Pa to 2 x 10exp-13Pa.

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				

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

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* * * 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 MSDS for AAA QUENCH OIL.