

# SAFETY DATA SHEET

## HOUGHTO-QUENCH™ K AU

SDS according to the Work Health and Safety Regulations (WHS)

### Section 1. Identification

**Product name** : HOUGHTO-QUENCH™ K AU  
**Product code** : 207931-01 O  
**Other means of identification** : Not available.  
**UN number** : Not regulated.

#### Relevant identified uses of the substance or mixture and uses advised against

**Relevant uses** : Quenching Oil  
**Uses advised against** : Any other purpose.

**Supplier** : Quaker Houghton Australia Pty Ltd.  
287 Wickham Road  
Moorabbin, Victoria  
Australia, 3189  
+61 1300 736 642  
  
ProductStewardship@quakerhoughton.com  
www.quakerhoughton.com

**Emergency telephone number (with hours of operation)** : CHEMTREC Australia: +(61)-290372994

### Section 2. Hazard(s) identification

This product is considered hazardous under the Work Health and Safety Regulations.

**Classification of the substance or mixture** : ASPIRATION HAZARD - Category 1

#### GHS label elements

**Hazard pictograms** :



Health hazard

**Signal word** : **DANGER**

**Hazard statements** : **May be fatal if swallowed and enters airways.**

#### Precautionary statements

**Prevention** : Not applicable.

**Response** : IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

**Storage** : Not applicable.

## Section 2. Hazard(s) identification

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : Not applicable.

**Other hazards which do not result in classification** : None known.

## Section 3. Composition and ingredient information

**Substance/mixture** : Mixture

Ingredient name	% (w/w)	CAS number
Distillates (petroleum), hydrotreated light paraffinic	≥75 - ≤90	64742-55-8
Mineral oil **	≤10	-
Sulfonic acids, petroleum, sodium salts	≤3	68608-26-4

**\*\* May contain** : 64742-01-4, 64742-57-0, 64742-62-7

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346.

**The remaining composition is a mixture of non-classified ingredients or additives below the threshold for disclosure.**

## Section 4. First aid measures

### Description of necessary first aid measures

- General advice** : Get medical attention. If medical advice is needed, have product container or label at hand. Use personal protective equipment as required. Remove contaminated clothing and wash it before reuse. Wash skin surfaces thoroughly after contact.
- Inhalation** : Get medical attention immediately. Move affected person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Aspiration hazard if swallowed. Can enter lungs and cause damage.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and wash it before reuse.
- Eye contact** : Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do.
- Ingestion** : Aspiration hazard if swallowed. Can enter lungs and cause damage. Ingestion may cause gastrointestinal irritation and diarrhea. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

### Most important symptoms/effects, acute and delayed

- Inhalation** : Not expected under normal use.
- Skin contact** : Not expected under normal use.
- Eye contact** : Not expected under normal use.
- Ingestion** : nausea or vomiting

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically.
- Specific treatments** : No specific treatment.

## Section 4. First aid measures

- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Use personal protective equipment as required.

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire. Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : In a fire, hazardous decomposition products may be produced. carbon oxides (CO, CO<sub>2</sub>) nitrogen oxides sulfur oxides metal oxide/oxides

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protective equipment (see Section 8). Keep unnecessary personnel away. Avoid breathing vapor or mist. Provide adequate ventilation.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". Evacuate area.

- Environmental precautions** : Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Do not allow any potentially contaminated water, including rain water, runoff from fire fighting or spills, to enter any waterway, sewer or drain.

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest.
- 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.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls and personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated light paraffinic	<b>Safe Work Australia (Australia, 1/2024)</b> <b>[Oil mist, refined mineral]</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: mist.
Mineral oil **	<b>Safe Work Australia (Australia, 10/2022)</b> <b>[Oil mist, refined mineral]</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: mist.

#### Biological Exposure Indices (BEI)

No exposure indices known.

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- 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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. 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 the workstation location. Keep equipment clean.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used 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 side-shields.
- 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.

## Section 8. Exposure controls and personal protection

- Other skin 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. 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.
- Respiratory protection** : A respirator is not needed under normal and intended conditions of product use. Use appropriate respiratory protection if there is a risk of exceeding any exposure limits.
- Thermal hazards** : Not expected under normal use. Not relevant/applicable due to nature of the product.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Clear., Yellow.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not applicable.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Open cup: >200°C (>392°F)
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Density** : 0.845 g/cm<sup>3</sup> [15°C]
- Solubility** :

Media	Result
water	Not soluble

- Partition coefficient: n-octanol/water** : Not applicable.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Kinematic (40°C (104°F)): 16 mm<sup>2</sup>/s (16 cSt)
- Flow time (ISO 2431)** : Not available.
- Particle characteristics**
- Median particle size** : Not applicable.

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 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 measures identified.

## Section 10. Stability and reactivity

**Incompatible materials** : Strong oxidizing materials. strong acids. strong alkalis

**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** : Based on available data, the classification criteria are not met.

#### Acute toxicity estimates

Not available.

#### Numerical measures of toxicity

Product/ingredient name	Result	
Distillates (petroleum), hydrotreated light paraffinic	Rat - Oral - LD50	>5000 mg/kg
	Rat - Inhalation - LC50 Dusts and mists	3900 mg/m <sup>3</sup> [4 hours] Toxic effects: Behavioral - Tremor Lung, Thorax, or Respiration - Dyspnea Kidney, Ureter, and Bladder - Urine volume increased
Sulfonic acids, petroleum, sodium salts	Rat - Oral - LD50	>2000 mg/kg
	Rabbit - Dermal - LD50	>500 mg/kg

**Irritation/Corrosion** : Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization** : Based on available data, the classification criteria are not met.

**Mutagenicity** : Based on available data, the classification criteria are not met.

**Carcinogenicity** : Based on available data, the classification criteria are not met.

**Reproductive toxicity** : Based on available data, the classification criteria are not met.

**Specific target organ toxicity (single exposure)** : Based on available data, the classification criteria are not met.

**Specific target organ toxicity (repeated exposure)** : Based on available data, the classification criteria are not met.

**Aspiration hazard** : Aspiration hazard if swallowed. Can enter lungs and cause damage.

Name	Result
Distillates (petroleum), hydrotreated light paraffinic	ASPIRATION HAZARD - Category 1

**Other information** : None identified.

### Information on the likely routes of exposure

**Inhalation** : Aspiration hazard if swallowed. Can enter lungs and cause damage.

**Skin contact** : No known significant effects or critical hazards.

**Eye contact** : No known significant effects or critical hazards.

**Ingestion** : Aspiration hazard if swallowed. Can enter lungs and cause damage.

### Delayed and immediate effects and also chronic effects from short and long term exposure

None identified.

## Section 11. Toxicological information

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation</b>	: Not expected under normal use.
<b>Skin contact</b>	: Not expected under normal use.
<b>Eye contact</b>	: Not expected under normal use.
<b>Ingestion</b>	: nausea or vomiting

## Section 12. Ecological information

No known significant effects or critical hazards.

### Toxicity

Product/ingredient name	Result	
Sulfonic acids, petroleum, sodium salts	Acute - EC50	>100 mg/l [72 hours] Algae - <i>Desmodesmus subspicatus</i>
	Acute - EC50	>1000 mg/l [48 hours] Daphnia - <i>Daphnia magna</i>
	Acute - LC50	>1000 mg/l [96 hours] Fish - <i>Pimephales promelas</i>

### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), hydrotreated light paraffinic	-	-	Inherent
Sulfonic acids, petroleum, sodium salts	-	-	Not readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Sulfonic acids, petroleum, sodium salts	22.12	-	High

### Mobility in soil

**Soil/Water partition coefficient** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Empty containers or liners may retain some product residues. Empty containers retain product residue and can be hazardous. Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

## Section 14. Transport information

	ADG	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

### Standard for the Uniform Scheduling of Medicines and Poisons

Not Scheduled

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

### International regulations

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

**Australian Inventory of Industrial Chemicals (AIIC)** : All components are listed or exempted.

**New Zealand Inventory of Chemicals (NZIoC)** : All components are listed or exempted.

## Section 16. Any other relevant information

<b>Date of issue/Date of revision</b>	: 7/28/2025
<b>Version</b>	: 1
<b>Key to abbreviations</b>	: ADG = Australian Dangerous Goods ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group SUSMP = Standard Uniform Schedule of Medicine and Poisons UN = United Nations IARC = International Agency for Research on Cancer.
<b>References</b>	: <b>Safety data sheets of raw materials, global regulatory body information, scientific literature, and testing data .</b>

✔ Indicates information that has changed from previously issued version.

### Notice to reader

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