

Issue Date: 26-Aug-2015

Revision Date:

Version 1

1. IDENTIFICATION

Product Identifier**Product Name** QUENCHING OIL QS-12**Other means of identification****SDS #**Item F-8912-01
F-8912-55
F-8912-275**Recommended use of the chemical and restrictions on use****Recommended Use** Metalworking fluid**Details of the supplier of the safety data sheet****Supplier Address**Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041**Emergency Telephone Number****Company Phone Number**

832-399-1000

Emergency Telephone (24 hr)INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Transparent
Yellow / Light Amber**Physical State** Liquid**Odor** Mild petroleum**Classification**

Aspiration Hazard

Category 1

Signal Word**DANGER****Hazard Statements**

May be fatal if swallowed and enters airways.

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|--|------------|----------|
| Mineral Oil, Hydrotreated Heavy Naphthanic | 64742-53-6 | < 98 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures**

| | |
|-----------------------|---|
| General Advice | Provide this SDS to medical personnel for treatment. |
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash contact areas with soap and water. Remove contaminated clothing and lauder before reuse. If skin irritation occurs: Get medical advice/attention. |
| Inhalation | Remove from further exposure and keep person at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell or are concerned. |
| Ingestion | Do not induce vomiting without medical advice. Seek immediate medical attention/advice. |

Most important symptoms and effects

| | |
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| Symptoms | May cause defatting of the skin. Coughing. Shortness of breath. Discomfort in the chest May cause irritation to the mucous membranes and upper respiratory tract See SECTION 11 for delayed and chronic effects. |
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Indication of any immediate medical attention and special treatment needed

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| Notes to Physician | Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. |
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5. FIRE-FIGHTING MEASURES

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| Suitable / Unsuitable Extinguishing Media | Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames. DO NOT use stream of water (could cause fire to spread). |
| Specific Hazards Arising from the Chemical | A mixture of airborne solids, liquids and gases including smoke, fumes, carbon monoxide, carbon dioxide will be evolved when this material undergoes combustion. |
| Protective equipment / Precautions for firefighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions | Avoid contact with skin or eyes. Avoid breathing dust/fume/gas/mist/vapors/spray See SECTION 8 for Personal Protective Equipment. |
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| Environmental Precautions | Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water. Prevent further leakage or spillage if safe to do so. See SECTION 12 for Ecological Information |
| Methods for Clean-Up | Absorb or cover with dry earth, sand or other non-combustible material. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See SECTION 13 for Waste Disposal |

7. HANDLING AND STORAGE

| | |
|--------------------------------|---|
| Advice on Safe Handling | Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. See SECTION 8 for Personal Protection. See SECTION 2 for Precaution Statements. |
| Storage Conditions | Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store in open or unlabeled containers. Store away from heat and open flame. Storage temperature 5-40°C (41-104°F) |
| Incompatible Materials | Oxidizing agents. Strong alkalis. Strong acids. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH | OSHA | NIOSH STEL |
|--|--|--|--|
| Mineral Oil, Hydrotreated Heavy Naphthanic 64742-53-6 | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | PEL: 5 mg/m ³ 8 hours (mist). | STEL: 10 mg/m ³ 15 minutes. |

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
NIOSH: National Institute for Occupational Safety and Health

TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit

Appropriate engineering controls

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| Engineering Controls | Provide exhaust ventilation or adequate ventilation is required to keep airborne concentrations of vapors below their respective threshold limit value (TLV). Maintain eye wash fountain and quick-drench facilities in work area. |
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Individual protection measures, such as personal protective equipment

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| Eye/Face Protection | Safety glasses with side shields. |
| Skin and Body Protection | Chemical or oil resistant clothing is recommended. |
| Respiratory Protection | Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection |
| General Hygiene Considerations | Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. Remove contaminated clothing and launder before reuse |

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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|-----------------------|-------------|-------------|---------------------|
| Physical State | Liquid | Odor | Mild Petroleum Odor |
| Appearance | Transparent | | |

| | | | |
|------------------------------|-------------------------------------|----------------------------------|----------------|
| Color | Yellow / light amber | Odor Threshold | Not determined |
| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> | |
| pH | Not determined | | |
| Melting Point/Freezing Point | Not determined | | |
| Boiling Point/Boiling Range | > 200 °C / > 392 °F | | |
| Flash Point | > 150°C / > 302 °F | Pensky-Martens Closed Cup (PMCC) | |
| Evaporation Rate | Not determined | | |
| Flammability | OSHA Class III-B Combustible liquid | | |
| Upper Flammability Limits | Not determined | | |
| Lower Flammability Limit | Not determined | | |
| Vapor Pressure | Not determined | | |
| Vapor Density | > 5 | (Air=1) | |
| Specific Gravity | 0.89 | | |
| Water Solubility | Insoluble | | |
| Solubility in other solvents | Not determined | | |
| Viscosity | 100 SUS | @ 38°C (100°F) | |
| Partition Coefficient | Not determined | | |
| Auto-ignition Temperature | > 315 °C / > 600°F | | |

10. STABILITY AND REACTIVITY

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| Reactivity | Not reactive under normal conditions. |
| Chemical Stability | Stable under recommended storage conditions. |
| Possibility of Hazardous Reactions | Stable under recommended storage conditions. |
| Conditions to Avoid | Incompatible Materials. |
| Incompatible Materials | Oxidizing agents. Strong alkalis. Strong acids. |
| Hazardous Decomposition Products | Carbon oxides. Irritating aldehydes and ketones when heated to combustion. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

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|---------------------|---|
| Eye Contact | May cause irritation on eye contact. |
| Skin Contact | Prolonged contact may defat and dry skin, leading to discomfort and dermatitis. |
| Inhalation | May be fatal if enter airways. |
| Ingestion | May be fatal if swallowed. Do not induce vomiting, may increase risk of product aspiration. |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|------------------------|--------------------------------------|
| Acute Effects | Not applicable. |
| Chronic Effects | Prolonged inhalation may be harmful. |

Information on physical, chemical and toxicological effects

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|----------------------|-------------------------|-------------------------|
| Mineral Oil, Hydrotreated Heavy Naphthanic 64742-53-6 | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | = 2.18 mg/L (Rat) 4 h |

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|---------------------------------------|--|
| Aspiration hazard | May be fatal if swallowed and enters airways. |
| Carcinogenicity | The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. |
| STOT- repeated/single exposure | Not classified |
| Numerical measures of toxicity | Not determined. |
| Unknown Acute Toxicity | Not determined. |

12. ECOLOGICAL INFORMATION

Ecotoxicity An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|----------------------|--|----------------------------|------------------------------------|
| Mineral Oil, Hydrotreated Heavy Naphthanic 64742-53-6 | | 5000: 96 h Oncorhynchus mykiss mg/L LC50 | | 1000: 48 h Daphnia magna mg/L EC50 |

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|----------------------------------|---|
| Persistence/Degradability | Not inherently biodegradable |
| Bioaccumulation | Bioaccumulation is unlikely to be significant because of the low water solubility. |
| Mobility | Liquid under most environmental conditions. Float on water. If enters soil it will absorb to soil particles and will not be mobile . |
| Other Adverse Effects | No other adverse environmental effects (ozon depletion, photochemical ozone creation). |

13. DISPOSAL CONSIDERATIONS

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| Disposal of Wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

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|-------------|----------------|
| DOT | Not regulated. |
| ATA | Not regulated |
| IMDG | Not regulated |

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|--|------|-----|------|--------|--------|------|-------|------|-------|------|
| Mineral Oil, Hydrotreated Heavy Naphthanic | Y | Y | | Y | | Y | Y | Y | Y | Y |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories **Acute Health Hazard**

SARA 313

Sec 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)
This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| Mineral Oil, Hydrotreated Heavy Naphthanic | X | X | X |

16. OTHER INFORMATION

| <u>NFPA</u> | Health Hazards | Flammability | Instability | Special Hazards |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| | 1 | 1 | 0 | Not determined |
| <u>HMIS</u> | Health Hazards | Flammability | Physical Hazards | Personal Protection |
| | 1 | 1 | 0 | Not determined |

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet