

## Safety Data Sheet

US Hazard Communication Standard 2024 (29 CFR 1910.1200)

**Initial Preparation Date:** 09.01.2020

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**Revision date:** 02.05.2026

### ARGuard Fast Quench 70

#### SECTION 1: Identification

##### Product Identifier

**Product Name:** ARGuard Fast Quench 70

**Product code:** 4670

##### Recommended Use of the Chemical and Restrictions on Use:

**Recommended Uses:** Quench Oil

**Restrictions on Use:** Not determined or not applicable.

##### Manufacturer or Supplier Details

###### Manufacturer:

###### United States

American Refining Group  
77 North Kendall Avenue  
Bradford, Pennsylvania 16701  
814-368-1297  
msds@amref.com  
amref.com

##### Emergency Telephone Number:

###### United States

CHEMTREC  
1-800-424-9300 (24 Hours)

###### United States

American Refining Group  
814-368-1297 (24 Hours)

#### SECTION 2: Hazard Identification

##### Classification of the chemical in accordance with paragraph (d) of § 1910.1200:

Aspiration hazard, category 1

##### Label elements

##### Hazard Symbol(s):



**Signal Word:** Danger

##### Hazard statement(s):

H304 May be fatal if swallowed and enters airways

##### Precautionary Statement(s):

P331 Do NOT induce vomiting.

P301+P310 If swallowed: Immediately call a poison center/doctor.

P405 Store locked up.

P501 Dispose of contents and container in accordance with federal, state and local regulations.

**Hazards Not Otherwise Classified:** None

#### SECTION 3: Composition/Information on Ingredients

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Identification	Name	Weight %
CAS Number: 64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	85-95
CAS Number: 8052-42-4	Asphalt	5-15

**Additional information:** No additional information

## SECTION 4: First Aid Measures

### Description of Necessary Measures

#### General Notes:

Show this Safety Data Sheet to the doctor in attendance

#### After Inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention

#### After Skin Contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

#### After Eye Contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

#### After Ingestion:

This product presents an aspiration hazard. If aspiration is suspected, seek emergency medical treatment. If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention

### Most Important Symptoms and Effects, Both Acute and Delayed

#### Acute Symptoms and Effects:

May be fatal if swallowed and enters airways. Aspiration may cause pulmonary edema and pneumonitis. Symptoms may include shortness of breath, dry cough and irritation of the nose, eyes, lips, mouth and throat

#### Delayed Symptoms and Effects:

Symptoms of pulmonary edema may be delayed

### Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

#### Immediate Medical Attention:

No additional information.

#### Special Treatment:

No additional information.

#### Notes for the Doctor:

Treat symptomatically

## SECTION 5: Firefighting Measures

### Extinguishing Media

#### Suitable Extinguishing Media:

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Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam

### Unsuitable Extinguishing Media:

Do not use water jet

### Specific Hazards Arising From The Chemical:

Thermal decomposition may produce irritating/toxic fumes/gases

### Special Protective Equipment and Precautions for Fire-Fighters

#### Special Protective Equipment:

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

#### Special precautions

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution

## SECTION 6: Accidental Release Measures

### Personal Precautions, Protective Equipment, and Emergency Procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse

### Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided

### Methods and Material for Containment and Cleaning Up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13)

## SECTION 7: Handling and Storage

### Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

### Conditions for Safe Storage, Including Any Incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

## SECTION 8: Exposure Controls/Personal Protection

Only those substances with limit values have been included below.

### Occupational Exposure Limit Values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
OSHA	Distillates (petroleum), solvent-dewaxed light paraffinic (contains	64742-56-9	8-Hour TWA-PEL: 5 mg/m <sup>3</sup> (Oil mists, mineral)

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Distillates (petroleum), solvent-dewaxed light paraffinic (contains	64742-56-9	REL-TWA: 5 mg/m <sup>3</sup> (Oil mists, mineral [up to 10 hr])
	Distillates (petroleum), solvent-dewaxed light paraffinic (contains	64742-56-9	IDLH: 2500 mg/m <sup>3</sup> (Oil mists, mineral)
	Asphalt	8052-42-4	Ceiling Limit: 5 mg/m <sup>3</sup> (fumes [15 min])
ACGIH	Distillates (petroleum), solvent-dewaxed light paraffinic (contains	64742-56-9	8-Hour TWA: 5 mg/m <sup>3</sup> (Oil mists, mineral; Pure, highly and severely refined; inhalable particulate matter)
	Asphalt	8052-42-4	8-Hour TWA: 0.5 mg/m <sup>3</sup> (fume, as benzene-soluble aerosol, inhalable fraction)
United States(California)	Distillates (petroleum), solvent-dewaxed light paraffinic (contains	64742-56-9	8-Hour TWA-PEL: 5 mg/m <sup>3</sup> (Oil mists, mineral, particulate)
	Asphalt	8052-42-4	8-Hour TWA: 5 mg/m <sup>3</sup> (Asphalt (petroleum) fumes)

### Biological Limit Values:

Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
ACGIH	Asphalt	8052-42-4	1-Hydroxypyrene, with hydrolysis (1-HP)	Urine	ESW	2.5 µg/l

### Information on Monitoring Procedures:

Not determined or not applicable.

### Appropriate Engineering Controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

### Individual Protection Measures, Such as Personal Protective Equipment

#### Eye and Face Protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

#### Skin and Body Protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. 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. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

#### Respiratory Protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

### General Hygienic Measures:

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When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

### SECTION 9: Physical and Chemical Properties

#### Information on Basic Physical and Chemical Properties

<b>Physical state</b>	Liquid
<b>Color</b>	Opaque
<b>Odor (includes odor threshold)</b>	Petroleum Oil
<b>Melting point/freezing point</b>	Not determined or not available.
<b>Initial boiling point/range</b>	>650°F
<b>Flammability</b>	Not determined or not available.
<b>Upper flammability/explosive limit</b>	Not determined or not available.
<b>Lower flammability/explosive limit</b>	Not determined or not available.
<b>Flash point</b>	375°F
<b>Auto-ignition temperature</b>	Not determined or not available.
<b>Decomposition temperature</b>	Not determined or not available.
<b>pH</b>	Not determined or not available.
<b>Kinematic viscosity</b>	14.5 cSt (40°C mm <sup>2</sup> /s)
<b>Solubilities</b>	Not determined or not available.
<b>Partition coefficient (n-octanol/water)</b>	3.3 to >6
<b>Vapor pressure (includes evaporation rate)</b>	Not determined or not available.
<b>Density and/or relative density</b>	7.2 lbs/gal
<b>Relative vapor density</b>	Not determined or not available.
<b>Particle characteristics</b>	Not determined or not available.

#### Other Information

No additional information.

### SECTION 10: Stability and Reactivity

#### Reactivity:

Not reactive under recommended handling and storage conditions.

#### Chemical Stability:

Stable under recommended handling and storage conditions.

#### Possibility of hazardous reactions, including those associated with foreseeable emergencies:

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

#### Conditions to Avoid:

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

#### Incompatible Materials:

Strong acids and oxidizing materials.

#### Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological Information

#### Acute Toxicity

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

**Product Data:** No data available.

**Substance Data:**

Name	Route	Result
Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	oral	LD50 Rat: > 5000 mg/kg
	dermal	LD50 Rabbit: > 5000 mg/kg
	inhalation	LC50 Rat: > 5.53 mg/L (4 hr [aerosol])
Asphalt	oral	LD50 Rat: >5000 mg/kg
	inhalation	LC50 Rat: >94.4 mg/m <sup>3</sup> (4.5 h [mixed aerosol and vapor, Read-across substance data])
	dermal	LD50 Rabbit: >2000 mg/kg

### Skin Corrosion/Irritation

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

**Product Data:**

No data available.

**Substance Data:** No data available.

### Serious Eye Damage/Irritation

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

**Product Data:**

No data available.

**Substance Data:** No data available.

### Respiratory or Skin Sensitization

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

**Product Data:**

No data available.

**Substance Data:** No data available.

### Carcinogenicity

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

**Product Data:** No data available.

**Substance Data:**

Name	Species	Result
Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)		The classification as a carcinogen does not apply because it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):**

Name	Classification
Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	Not Applicable
Asphalt	Not Applicable

**OSHA Carcinogens:** Not applicable

### Germ Cell Mutagenicity

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

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### Product Data:

No data available.

**Substance Data:** No data available.

### Reproductive Toxicity

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

### Product Data:

No data available.

**Substance Data:** No data available.

### Specific Target Organ Toxicity (Single Exposure)

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

### Product Data:

No data available.

**Substance Data:** No data available.

### Specific Target Organ Toxicity (Repeated Exposure)

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

### Product Data:

No data available.

**Substance Data:** No data available.

### Aspiration toxicity

#### Assessment:

May be fatal if swallowed and enters airways.

#### Product Data:

No data available.

#### Substance Data:

Name	Result
Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	May be fatal if swallowed and enters airways.

### Information on Likely Routes of Exposure:

No data available.

### Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:

No data available.

### Interactive effects:

No additional information.

### Other Information:

No additional information.

## SECTION 12: Ecological Information

### Ecotoxicity

#### Acute (Short-Term) Toxicity

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

**Product Data:** No data available.

**Substance Data:**

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Name	Result
Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	Fish LC50 Pimephales promelas: > 100 mg/L (96 hr [LL50 - mortality])
	Aquatic Invertebrates EC50 Daphnia magna: > 10,000 mg/L (48 hr [EL50 - mobility])
	Fish LC50 Oncorhynchus mykiss: >5000 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: >1000 mg/L (48 hr)
Asphalt	Aquatic Plants EC50 Raphidocelis subcapitata: >1000 mg/L (72 hr [EL50 - growth rate, Read-across substance data])
	Fish LC50 Oncorhynchus mykiss: > 1000 mg/L (96 hr [LL50 - mortality, Read-across substance data])

### Chronic (Long-Term) Toxicity

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

**Product Data:** No data available.

#### Substance Data:

Name	Result
Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	Aquatic Invertebrates NOEC Daphnia magna: 10 mg/L (21 d [NOEL - reproduction])
Asphalt	Fish NOEC Oncorhynchus mykiss: >1000 mg/L (28 d [NOEL - mortality, Read-across substance data])
	Aquatic Invertebrates NOEC Daphnia magna: >= 1000 mg/L (21 d [NOEL - reproduction, Read-across substance data])

### Persistence and Degradability

**Product Data:** No data available.

#### Substance Data:

Name	Result
Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	This substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Asphalt	Standard biodegradability studies are not applicable to petroleum UVCB substances.

### Bioaccumulative Potential

**Product Data:** No data available.

#### Substance Data:

Name	Result
Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	This substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Asphalt	Standard bioaccumulation studies are not applicable to petroleum UVCB substances.

### Mobility in Soil

**Product Data:** No data available.

#### Substance Data:

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Name	Result
Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	This substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.
Asphalt	Standard adsorption/desorption studies are not applicable to petroleum UVCB substances.

### Results of PBT and vPvB assessment

#### Product Data:

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

#### Substance Data:

##### PBT assessment:

Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	This substance is a UVCB and does not contain constituents included in the SVHC candidate list as PBT at concentrations above 0.1%.
Asphalt	Standard PBT studies are not applicable to petroleum UVCB substances.

##### vPvB assessment:

Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	This substance is a UVCB and does not contain constituents included in the SVHC candidate list as vPvB at concentrations above 0.1%.
Asphalt	Standard vPvB studies are not applicable to petroleum UVCB substances.

**Other Adverse Effects:** No additional information.

## SECTION 13: Disposal Considerations

### Disposal Methods:

The generation of waste should be avoided or minimized wherever possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

### Contaminated packaging:

Not determined or not applicable.

## SECTION 14: Transport Information

### United States Transportation of Dangerous Goods (49 CFR DOT)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

### International Maritime Dangerous Goods (IMDG)

UN Number	Not regulated
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UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
UN Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazards	None
Special Precautions for User	None

### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Bulk Name	Not Applicable
Ship Type	Not Applicable
Pollution Category	Not Applicable

## SECTION 15: Regulatory Information

### United States Regulations

**Inventory Listing (TSCA):** All ingredients are listed-active or exempt.

**Significant New Use Rule (TSCA Section 5):** None of the ingredients are listed.

**Export Notification under TSCA Section 12(b):** None of the ingredients are listed.

**SARA Section 302 Extremely Hazardous Substances:** None of the ingredients are listed.

**SARA Section 313 Toxic Chemicals:** None of the ingredients are listed.

**CERCLA:** None of the ingredients are listed.

**RCRA:** None of the ingredients are listed.

**Section 112(r) of the Clean Air Act (CAA):** None of the ingredients are listed.

#### Massachusetts Right to Know:

64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic (contains <3% DMSO extract)	Listed
8052-42-4	Asphalt	Listed

#### New Jersey Right to Know:

8052-42-4	Asphalt	Listed
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#### New York Right to Know:

8052-42-4	Asphalt	Listed
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#### Pennsylvania Right to Know:

8052-42-4	Asphalt	Listed
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**California Proposition 65:** None of the ingredients are listed.

**Additional information:** No additional information.

## SECTION 16: Other Information

**Disclaimer:**

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The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**NFPA:** 0-1-0

**HMIS:** 0-1-0

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**End of Safety Data Sheet**