



AR-20-QC Liquid

SECTION 1. IDENTIFICATION

| | |
|---|--|
| Product Identifier | AR-20-QC Liquid |
| Other Means of Identification | None |
| Product Family | Furan |
| Recommended Use | Mixed with another component to form a corrosion-resistant mortar. |
| Restrictions on Use | None known. |
| Manufacturer/Supplier Identifier | The Stebbins Engineering and Manufacturing Company, 363 Eastern Boulevard, Watertown, NY, 13601, (315) 782-3000, www.stebbinseng.com |
| Emergency Phone No. | Chemtrec - Within North America, 1-800-424-9300, 24 hours Stebbins 24 Hour Contact-, 1-315-788-6624 |
| SDS No. | 003 |

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable liquid - Category 4; Acute toxicity (Oral) - Category 3; Acute toxicity (Inhalation) - Category 3; Skin irritation - Category 2; Eye irritation - Category 2A; Carcinogenicity - Category 2; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 2

Label Elements



Signal Word:
Danger

Hazard Statement(s):

Combustible liquid.
May form combustible dust concentrations in air.
Toxic if swallowed or if inhaled.
May cause respiratory irritation.
Causes serious eye irritation.
Causes skin irritation.
Suspected of causing cancer.
If swallowed and/or inhaled
May cause damage to organs through prolonged or repeated exposure.
(Nasal inner lining)

Precautionary Statement(s):

Prevention:

Do not handle until all safety precautions have been read and understood.
Keep away from flames and hot surfaces. – No smoking.
Avoid breathing dust, fume, gas, mist, vapours or spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
IF ON SKIN: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use dry chemical powder, dry chemical powder, appropriate foam to extinguish.

Storage:

Store in a well-ventilated place. Keep container tightly closed.
Protect from sunlight.

Disposal:

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

Other Hazards

May polymerize vigorously.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name | CAS No. | % | Other Identifiers | Other Names |
|------------------|---------|-----------|-------------------|--------------------|
| Furfural | 98-01-1 | 15 - 30 % | C4H3OCHO | 2-furaldehyde |
| Furfuryl alcohol | 98-00-0 | 5 - 15 % | C5H6O2 | Furan-2-ylmethanol |

Notes

**This ingredient is a component of the complex mixture.

Remaining Components: Not Classified under any Hazard Classification.

Concentrations are expressed in % weight/weight.

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity: (40 - 70 %)

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned. If breathing is difficult, trained

Product Identifier: AR-20-QC Liquid - Ver. 7

SDS No.: 003

Date of Preparation: August 03, 2016

Date of Last Revision: June 30, 2023

Page 02 of 12

personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor.

Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Immediately call a Poison Centre or doctor. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.

First-aid Comments

IMMEDIATE TREATMENT IS EXTREMELY IMPORTANT! Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled and/or swallowed and/or on skin: signs and symptoms of exposure to this material may include: symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. Symptoms may include nausea, vomiting, stomach cramps and diarrhea. Can cause severe irritation of the nose and throat. Can cause lung injury. If in eyes: may cause serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result.

Immediate Medical Attention and Special Treatment

Target Organs

Blood, brain, kidneys, liver, respiratory system.

Special Instructions

It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Symptoms of pulmonary edema can be delayed up to 48 hours after exposure. Monitor liver function. Monitor kidney function. Monitor blood cell counts. Monitor nervous system function.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam. Water spray.

Unsuitable Extinguishing Media

Do not use water jet.

Specific Hazards Arising from the Product

Combustible dust. Powder may form explosive dust-air mixture. Combustible liquid. Can ignite if heated. Releases vapour that can form explosive mixture with air at or above the flash point. May travel a considerable distance to a source of ignition and flash back to a leak or open container.

In a fire, the following hazardous materials may be generated: toxic chemicals; very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

In the event of fire, wear self-contained breathing apparatus. If polymerization occurs in a closed container, there is a possibility it will rupture violently. Dike and recover contaminated water for appropriate disposal.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Emergency responders: use the personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Increase

Product Identifier: AR-20-QC Liquid - Ver. 7

SDS No.: 003

Date of Preparation: August 03, 2016

Date of Last Revision: June 30, 2023

Page 03 of 12

ventilation to area or move leaking container to a well-ventilated and secure area. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

Environmental Precautions

If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Other Information

Report spills to local health, safety and environmental authorities, as required. Suppress (knock down) gases/vapours/mists with a water spray jet.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

No sparking tools should be used.

Keep away from open flames, hot surfaces and sources of ignition.

Do not get in eyes, on skin or on clothing. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Keep containers tightly closed when not in use or empty. Do not weld, cut or perform hot work on empty container until all traces of product have been removed. Electrically bond and ground equipment. Ground clips must contact bare metal.

Conditions for Safe Storage

Store in an area that is: cool, well-ventilated, dry. Empty containers may contain hazardous residue. Store separately. Keep closed. Follow all precautions given on this safety data sheet.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|------------------|------------|--------|----------|---------|-----------|-----|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| Furfural | 0.2 ppm | | 5 ppm | | | |
| Furfuryl alcohol | 10 ppm | 15 ppm | 50 ppm | | | |

ACGIH® = American Conference of Governmental Industrial Hygienists. OSHA = US Occupational Safety and Health Administration. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. PEL = Permissible Exposure Limits.

Appropriate Engineering Controls

Do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects. Provide appropriate exhaust ventilation at places where dust is formed. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear approved safety glasses. When there is potential for eye exposure to Liquid, vapor or mist, wear safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Hand protection: Material: butyl-rubber

Break through time: 480 min

Glove thickness: > 0.5 mm

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Suitable materials are: butyl rubber, natural rubber, Viton®. Impervious clothing leather. Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

| | |
|--|---|
| Appearance | Dark red - brown liquid. Particle Size: Not applicable |
| Odour | Aromatic |
| Odour Threshold | Not available |
| pH | ~ 7.0 |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |
| Boiling point/Initial boiling point | 324 °F (162 °C) |
| Boiling Range | Not available |
| Flash Point | 169 °F (76 °C) (closed cup) |
| Evaporation Rate | Not available |
| Upper/Lower Flammability or Explosive Limit | 19.3% (estimated) (upper); 1.8% (estimated) (lower) |
| Vapour Pressure | 2.2095 mm Hg (0.2946 kPa) at 25 °C |
| Vapour Density (air = 1) | 3.3 |
| Relative Density (water = 1) | 1.20 - 1.24 at 77 °F (25 °C) |
| Solubility | Soluble (more than 10-50%) in water; Not available (in other liquids) |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available (kinematic) |
| Other Information | |
| Physical State | Liquid |
| Bulk Density | 75.5 lb/ft ³ (1.2 kg/L) |
| Critical Temperature | Not available |
| Saturated Vapour Concentration | Not available |
| Other Physical Property 1 | Flammability (solid, gas): May form combustible dust concentrations in air (during processing). |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

No Decomposition of: stored and applied as directed. Can undergo vigorous polymerization.

Chemical Stability

Unstable under certain conditions - see Conditions to Avoid.

Possibility of Hazardous Reactions

Polymerizes violently in the presence of acidic conditions (low pH). Reacts in the presence of alkaline conditions (high pH).

This product does not present a dust explosion hazard as delivered. However, fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.

Conditions to Avoid

Exposure to air.

Product Identifier: AR-20-QC Liquid - Ver. 7

SDS No.: 003

Date of Preparation: August 03, 2016

Date of Last Revision: June 30, 2023

Page 05 of 12

Exposure to moisture

Exposure to light.

High temperatures. Open flames, sparks, static discharge, heat and other ignition sources. Elevated pressure. Acidic conditions (low pH). Alkaline conditions (high pH).

Incompatible Materials

Polymerizes violently on contact with: strong acids (e.g. hydrochloric acid). Avoid: oxidizing agents (e.g. peroxides).

Hazardous Decomposition Products

Toxic chemicals; very toxic carbon monoxide, carbon dioxide. hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Toxic if swallowed or if inhaled.

Acute inhalation toxicity: Remarks: Symptoms may be delayed.

Likely Routes of Exposure

Inhalation; ingestion; skin contact; eye contact.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|------------------|--|-------------------|--|
| Furfural | 1.955 mg/m ³ (rat) (4-hour exposure) (vapour) | 65 mg/kg (rat) | >= 400 mg/kg (rabbit) |
| Furfuryl alcohol | > 232 ppm (rat) (4-hour exposure) (vapour) | > 176 mg/kg (rat) | ~ 400-- 657 mg/m ³ (rabbit) |

LC50 (Inhalation)

Furaldehyde:

Acute inhalation toxicity: LC50 (Rat): 1.955 mg/l

Exposure time: 4 h

Test atmosphere: vapour

Method: OECD Test Guideline 403

FURFURYL ALCOHOL:

Acute inhalation toxicity:

Assessment: The component/mixture is classified as acute inhalation toxicity, category 3.

LD50 (Oral)

Furaldehyde:

Acute oral toxicity:

LD50 (Rat): 100 mg/kg

Method: OECD Test Guideline 401

FURFURYL ALCOHOL:

Acute oral toxicity:

LD50 (Rat): 177 mg/kg

LD50 (Dermal)

Furaldehyde:

Acute dermal toxicity:

Assessment: The component/mixture is classified as acute dermal toxicity, category 4.

FURFURYL ALCOHOL:

Acute dermal toxicity:

LD50 (Rabbit): 400 - 657 mg/kg

Skin Corrosion/Irritation

Remarks: May cause skin irritation and/or dermatitis., Exposure to sunlight after or during contact with this material may produce a skin reaction. The effect on the skin is similar in appearance to sunburn and is temporary. Repeated or

Product Identifier: AR-20-QC Liquid - Ver. 7

SDS No.: 003

Date of Preparation: August 03, 2016

Date of Last Revision: June 30, 2023

Page 06 of 12

prolonged contact with this material in sunlight may cause more serious skin disorder

Furaldehyde:

Skin: Species: (Rabbit)

Exposure 24-hrs, 500 mg

Results - Mild irritant

FURFURYL ALCOHOL:

Skin: Species: (Rabbit)

Exposure 24-hrs, 20 mg

Results - Moderate irritant.

Serious Eye Damage/Irritation

Remarks: Vapours may cause irritation to the eyes and respiratory system., Causing serious eye irritation.

Furaldehyde:

Eye: Species: (Rabbit)

Exposure 24-hrs, 100 mg

Results - Moderate irritant

FURFURYL ALCOHOL:

Eye: Species: (Rabbit)

Exposure 24-hrs, 100 mg

Results - Moderate irritant.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Remarks: Vapors may cause irritation to the respiratory system.

Causes nose and throat irritation.

At high concentrations toxic, can cause death

Respiratory sensitization: Not classified based on available information.

Furaldehyde: Category 3 Respiratory tract irritation.

FURFURYL ALCOHOL: Category 3 Respiratory tract irritation.

Skin Absorption

Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

Skin sensitization: Not classified based on available information.

Ingestion

May be harmful

If large amounts are swallowed toxic, can cause death.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Blood tests may show abnormal results. May cause irritation of the respiratory system. May cause respiratory tract injury, harmful effects on the kidneys, harmful effects on the liver, effects on the central nervous system.

May cause damage to organs (Nasal inner lining) through prolonged or repeated exposure if inhaled.

FURFURYL ALCOHOL:

Exposure routes: Inhalation

Target Organs: Nasal inner lining

Assessment: May cause damage to organs through prolonged or repeated exposure.

Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

Product Identifier: AR-20-QC Liquid - Ver. 7

SDS No.: 003

Date of Preparation: August 03, 2016

Date of Last Revision: June 30, 2023

Page 07 of 12

Carcinogenicity

| Chemical Name | IARC | ACGIH® | NTP | OSHA |
|------------------|----------|--------|------------------------|------------|
| Furfural | Group 3 | A3 | Not Listed | Not Listed |
| Furfuryl alcohol | Group 2B | A2 | Reasonably anticipated | |

May cause cancer based on information for closely related chemicals.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Key to Abbreviations

IARC = International Agency for Research on Cancer.

ACGIH® = American Conference of Governmental Industrial Hygienists.

NTP = National Toxicology Program.

OSHA = US Occupational Safety and Health Administration.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

Effects on or via Lactation

Not known to cause effects on or via lactation.

Germ Cell Mutagenicity

Not classified based on available information.

Interactive Effects

Furaldehyde:

Genotoxicity in vitro:

Test Type: in vitro assay

Result: Positive results were obtained in some in vitro tests.

Genotoxicity in vivo:

Test Type: in vivo assay

Result: Positive results were obtained in some in vivo tests.

FURFURYL ALCOHOL:

Genotoxicity in vitro:

Test Type: in vitro assay

Result: Positive results were obtained in some in vitro tests.

Genotoxicity in vivo:

Test Type: in vivo assay

Result: Positive results were obtained in some in vivo tests.

SECTION 12. ECOLOGICAL INFORMATION

Product:

Ecotoxicology Assessment

Short-term (acute) aquatic hazard: Not classified based on available information.

Long-term (chronic) aquatic hazard: Not classified based on available information.

Ecotoxicity

Product Identifier: AR-20-QC Liquid - Ver. 7

SDS No.: 003

Date of Preparation: August 03, 2016

Date of Last Revision: June 30, 2023

Page 08 of 12

Furaldehyde:
 Toxicity to fish:
 LC50 (Leuciscus idus (Golden orfe)): 29 mg/l
 Exposure time: 48 h
 Test Type: static test

Toxicity to daphnia and other aquatic invertebrates:
 LC50 (Daphnia magna (Water flea)): 11 mg/l
 Exposure time: 72 h
 Test Type: static test
 Method: OECD Test Guideline 202
 Remarks: mortality
 Toxicity to fish (Chronic toxicity):
 NOEC (Danio rerio (zebra fish)): 0.47 mg/l
 Exposure time: 12 d
 Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):
 NOEC (Daphnia magna (Water flea)): 1.9 mg/l
 Exposure time: 21 d
 Test Type: flow-through test
 Method: OECD Test Guideline 211

FURFURYL ALCOHOL:
 Toxicity to fish:
 LC50 (Leuciscus idus (Golden orfe)): 1,356 mg/l
 Exposure time: 48 h
 Test Type: static test
 Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates:
 EC50 (Daphnia magna (Water flea)): 328 mg/l
 Exposure time: 24 h
 Test Type: static test
 Method: OECD Test Guideline 202

Toxicity to algae:
 EC50: extrapolated 170.3 mg/l
 Exposure time: 96 h
 Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

Acute Aquatic Toxicity

| Chemical Name | LC50 Fish | EC50 Crustacea | ErC50 Aquatic Plants | ErC50 Algae |
|------------------|--|----------------|----------------------|-------------|
| Furfural | 32 mg/L (Pimephales promelas (fathead minnow); 96-hour; fresh water; static) | | | |
| Furfuryl alcohol | 1,356 mg/L (Pimephales promelas (fathead minnow); 96-hour; fresh water; static) | | | |

Chronic Aquatic Toxicity

| Chemical Name | NOEC Fish | EC50 Fish | NOEC Crustacea | EC50 Crustacea |
|------------------|---|-----------|----------------|----------------|
| Furfural | 39.002 mg/L (Pimephales promelas (fathead minnow); 28-day) | | | |
| Furfuryl alcohol | 1.9 mg/L (Daphnia magna (water flea); 21-day) | | | |

Persistence and Degradability

Furaldehyde:

Biodegradability:

Result: Readily biodegradable.

Biodegradation: 100 %

Exposure time: 14 d

Method: OECD Test Guideline 301C

FURFURYL ALCOHOL:

Biodegradability:

Result: Readily biodegradable.

Method: OECD Test Guideline 301C.

Bioaccumulative Potential

Furaldehyde:

Partition coefficient: n-octanol/water:

log Pow: 0.41

FURFURYL ALCOHOL:

Partition coefficient: n-octanol/water:

log Pow: 0.30.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container. Empty containers retain product residue. Follow label warnings even if container appears to be empty. Bury in a licensed landfill or burn in an approved incinerator according to federal, provincial/state, and local regulations.

SECTION 14. TRANSPORT INFORMATION

| Regulation | UN No. | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|--------|---|----------------------------|---------------|
| US DOT | UN2810 | Toxic liquids, organic, n.o.s. (furfural, furfuryl alcohol) | 6.1 | III |
| IMO (Marine) | UN2810 | Toxic liquids, organic, n.o.s. (furfural, furfuryl alcohol) | 6.1 | III |
| IATA (Air) | UN2810 | Toxic liquids, organic, n.o.s. (furfural, furfuryl alcohol) | 6.1 | III |
| Canadian TDG | UN2810 | Toxic liquids, organic, n.o.s. (furfural, furfuryl alcohol) | 6.1 | III |

Environmental Hazards

Not applicable

Product Identifier: AR-20-QC Liquid - Ver. 7

SDS No.: 003

Date of Preparation: August 03, 2016

Date of Last Revision: June 30, 2023

Page 10 of 12

Special Precautions Please note: Reportable Quantity:
25,000 lbs / 11,350 kg (2,418 gal / 9,153.2 L)

Package sizes shipped in quantities less than the product's reportable quantity are not subject to the (reportable quantity) transportation requirements.

Transport in Bulk according to International Maritime Organization Instruments

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

HMIS classifications:

Health 2 *

Flammability 2

Physical Hazard 2

0 = not significant, 1 =Slight,

2 = Moderate, 3 = High

4 = Extreme, * = Chronic

NFPA Flammable and Combustible Liquids Classification:

Combustible Liquid Class IIIA.

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

CEPA - National Pollutant Release Inventory (NPRI)

Part 5. (Furfuryl alcohol)

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

TSCA list

No substances are subject to TSCA 12(b) export notification requirements.

No substances are subject to a Significant New Use Rule.

Additional USA Regulatory Lists

California Prop. 65

WARNING: This product can expose you to chemicals including furfuryl alcohol, which is/are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

CERCLA Reportable Quantity:

Components: Furaldehyde, CAS#. 98-01-1

Component RQ (lbs) 5,000, Calculated product RQ (lbs) 29,728.

SARA Title III - Section 302: This material does not contain any components with a section 302 EHS TPQ.

SARA 304: Emergency release notification

This material does not contain any components with a section 304 EHS RQ.

SARA Title III - Section 311/312:

Flammable liquids Category 4

Combustible Dust

Acute toxicity (any route of exposure) Category 3

Specific target organ toxicity (single exposure) Category 3

Product Identifier: AR-20-QC Liquid - Ver. 7

SDS No.: 003

Date of Preparation: August 03, 2016

Date of Last Revision: June 30, 2023

Page 11 of 12

Specific target organ toxicity (repeated exposure) Category 2
Skin corrosion or irritation Category 2
Serious eye damage or eye irritation Category 2A
Carcinogenicity Category 2

SARA Title III - Section 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Custom Regulatory 1

The components of this product are reported in the following inventories:

DSL: All components of this product are on the Canadian DSL

AICS: Not in compliance with the inventory

ENCS: On the inventory, or in compliance with the inventory

KECI: On the inventory, or in compliance with the inventory

PICCS: Not in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory

TCSI: On the inventory, or in compliance with the inventory

TSCA: On or in compliance with the active portion of the TSCA inventory

Inventories

AICS (Australia), AIIC (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

| | | | |
|------------------------------|---|-------------------------|------------------------|
| NFPA Rating | Health - 3 | Flammability - 2 | Instability - 2 |
| SDS Prepared By | B.E.R. | | |
| Phone No. | (315) 782-3000 | | |
| Date of Preparation | August 03, 2016 | | |
| Date of Last Revision | June 30, 2023 | | |
| Revision Indicators | Revision 7 reviewed and approved SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION. SECTION 11. TOXICOLOGICAL INFORMATION. SECTION 12. ECOLOGICAL INFORMATION; SECTION 15. REGULATORY INFORMATION | | |
| Key to Abbreviations | ACGIH® = American Conference of Governmental Industrial Hygienists HSDB® = Hazardous Substances Data Bank IARC = International Agency for Research on Cancer NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration RTECS® = Registry of Toxic Effects of Chemical Substances | | |
| References | CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS). | | |
| Disclaimer | NOTE: The information contained herein is, to the best of our knowledge, accurate and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or the results to be obtained from the use thereof. | | |

Product Identifier: AR-20-QC Liquid - Ver. 7

SDS No.: 003

Date of Preparation: August 03, 2016

Date of Last Revision: June 30, 2023

Page 12 of 12