

Safety Data Sheet AR-19 AEROSOL, MM

Supersedes Date: 11/29/2017

Issuing Date: 04/20/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: AR-19 AEROSOL, MM
Recommended use Water-borne coatings
Information on Manufacturer
CHEMSEARCH FE DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code: 5435
Chemical nature Alcoholic solution
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Light Straw

Physical state Liquid

Odor Alcohol

GHS Classification

Physical Hazards

Flammable Aerosols
Gases under pressure

Category 2
Liquefied gas

Health Hazard

Serious Eye Damage/Eye Irritation

Category 2B

Other hazards

None

Labeling

Signal Word

WARNING



Hazard statements

H340 - May cause genetic defects
H350 - May cause cancer

Precautionary Statements

P210 - Keep away from heat, sparks, open flames or hot surfaces.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.
P403 - Store in a well-ventilated place
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Petroleum gases, liquified, sweetened	68476-86-8	3-7
Isopropyl alcohol	67-63-0	3-7

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice

Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact

No hazards which require special first aid measures.

Inhalation No hazards which require special first aid measures.
Ingestion No hazards which require special first aid measures.
Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Not applicable
Flammability Limits in Air %: .
Suitable Extinguishing Media Water spray. Carbon dioxide (CO₂). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Foam.

Method No data available
Upper: 12.7

Lower: 1.9

Specific hazards arising from the chemical

Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions. Flammable. Flame extension: 0 inches / 0 cm and Burnback: 0 inch / 0 cm.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

Aerosol Level (NFPA 30B) - 1

NFPA Health 1

Flammability 4

Instability 1

HMIS Health 1

Flammability 4

Physical Hazard 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Remove all sources of ignition. Material can create slippery conditions.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up

Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.

Neutralizing Agent

Not applicable.

7. HANDLING AND STORAGE

Handling

Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage

Keep away from heat and sources of ignition. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage Temperature

Minimum 35 °F / 2 °C

Maximum 122 °F / 50 °C

Storage Conditions

Indoor X **Outdoor**

Heated **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical name	CAL/OSHA PEL	ACGIH TLV	OSHA PEL	NIOSH
Isopropyl alcohol	400 ppm	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 980 mg/m ³	2000 ppm STEL 500 ppm STEL 1225 mg/m ³ TWA: 400 ppm TWA: 980 mg/m ³

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection

Safety glasses with side-shields.

Skin Protection

For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Remove and wash contaminated clothing before re-use. Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Liquid
Color Light Straw
Odor Threshold Not applicable
pH 9.5

Viscosity Non viscous
Odor Alcohol
Appearance Opaque
Specific Gravity 0.980

Evaporation Rate	<0.8 (Butyl acetate=1)	Percent Volatile (Volume)	100
VOC Content (%)	7	VOC Content (g/L)	74.8
Vapor pressure	17.5 mmHg @ 77°F	Vapor Density	>1 (Air = 1.0)
Solubility	Completely soluble	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	< 212 °F / 100 °C	Flammability (solid, gas)	No data available
Flash Point	Not applicable	Method	No data available
Autoignition Temperature	No information available.		
Flammability Limits in Air %:		Upper: 12.7 Lower: 1.9	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition.
Incompatible Products	Strong bases.
Decomposition Temperature	No data available
Hazardous Decomposition Products	No information available.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure Inhalation, Skin contact, Eye contact.

Primary Routes of Entry Skin contact.

Acute Effects:

Eyes	Causes eye irritation.
Skin	Low hazard for usual industrial or commercial handling.
Inhalation	Low hazard for usual industrial or commercial handling.
Ingestion	Low hazard for usual industrial or commercial handling.

Chronic Toxicity None known.

Target Organ Effects: Respiratory system, Skin, Eyes.

Aggravated Medical Conditions Skin disorders, Respiratory disorders, Eyes.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Isopropyl alcohol 67-63-0	1870 mg/kg (Rato)	4059 mg/kg (Coelho)	72600 mg/m ³ (Rato) 4 h	No data available	No data available

Chronic Toxicity

Carcinogenicity There are no known carcinogens in this product.

Chemical name	ACGIH	IARC	NTP	OSHA	Other
Isopropyl alcohol 67-63-0	A4	Group 3	Not applicable	Not applicable	Not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Persistence and Degradability No information available

Bioaccumulation No information available

Mobility No information available

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Petroleum gases, liquified, sweetened	No information available.	No information available.	No information available	No information available.	2.8

Isopropyl alcohol	EC50 > 1000 mg/L Desmodesmus subspicatus 72 h EC50 > 1000 mg/L Desmodesmus subspicatus 96 h	LC50 = 11130 mg/L Pimephales promelas 96 h LC50 = 9640 mg/L Pimephales promelas 96 h LC50 > 1400000 µg/L Lepomis macrochirus 96 h	EC50 = 35390 mg/L 5 min	13299: 48 h Daphnia magna mg/L EC50	0.05
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Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility This product is mobile in soil.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Do not puncture. Contents under pressure. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name Consumer commodity
Hazard Class ORM-D
Description Consumer commodity ,ORM-D

TDG
Proper shipping name Aerosols
Hazard Class 2.1
UN-No UN1950
Description UN1950, AEROSOLS, 2.1, LTD QTY

ICAO
UN-No UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1
Shipping Description UN1950, Aerosols, 2.1 LTD QTY

IATA
UN-No UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
ERG-Code 10L
Shipping Description UN1950,Aerosols, flammable,2.1 LTD QTY

IMDG/IMO
UN proper shipping name Aerosols
Hazard Class 2
UN Number UN1950
EmS No. F-D, S-U
Description UN1950, Aerosols, 2.1, LTD QTY

15. REGULATORY INFORMATION

Inventories

TSCA Listed
DSL / NDSL Listed

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values
Isopropyl alcohol	67-63-0	3-7	1.0

SARA 311/312 Hazardous Categorization

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CERCLA

None

16. OTHER INFORMATION

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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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