



COMPLETE CLEANING SOLUTIONS

# SAFETY DATA SHEET

ACP 439 – Take-1 Glass and All Surface Disinfectant

Date: 9/12/2024

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** Take-1 Glass and All Surface Disinfectant

**Other Means of Identification**

**Product Class** Quaternary Ammonium Compound  
**EPA Registration Number** 10324-85-5747  
**Product Code** 439

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use** Disinfectant cleaner for all surfaces

**Details of the Supplier of the Safety Data Sheet**

**Manufacturer Address** Arrow Chemical Products, Inc.  
5933 W. KL Ave.  
Kalamazoo, MI 49009

**Emergency Telephone Number**

**Company Phone Number** 313-237-0277  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Classification**

Serious eye damage/eye irritation	Category 2 Sub-Category A
-----------------------------------	---------------------------

**Signal Word** WARNING

**Hazard Statements** Causes eye irritation.

**OSHA/HCS status:** This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Read complete product label.

**Hazard Pictograms/Symbols:** None

**Precautionary Statements - Prevention**

Wash affected areas thoroughly after handling.

**Appearance:** Clear

**Physical State:** Liquid

**Odor:** Fragrance Free



**Specific Hazards Arising from the Chemical**

Irritating and toxic gasses or fumes may be released during a fire. Use water spray to keep fire-exposed containers cool.

**Protective Equipment and Precautions for Firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

- Personal Precautions**                      Spill area may be slippery. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapors.
- Environmental Precautions**            Avoid contact of spilled material and runoff with soil and surface waterways.

**Methods and Material for Containment and Cleaning Up**

- Methods for Containment**                Keep unnecessary and unprotected personnel away. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.
- Methods for Cleaning Up**                Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into container for later disposal. Do not flush into surface water or sanitary sewer system. Dispose of the waste material according to local, state and government requirements. Following product recovery, flush area with water.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

- Advice on Safe Handling**                Protect material from direct sunlight. Do not breathe vapor. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Do not taste or swallow. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation or outdoors. Wash hands thoroughly after handling.

**Conditions for Safe Storage, Including any Incompatibilities**

- Storage Conditions**                      Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place with a temperature not lower than 50°F or higher than 120°F. Keep away from heat, sparks and open flame. Store out of direct sunlight, and away from incompatible materials. .
- Incompatible Materials**                Incompatible with strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm	-

**Appropriate Engineering Controls**

- Engineering Controls**                      Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

**Individual Protection Measures, such as Personal Protective Equipment**

- Eye/Face Protection**                      Tight sealing safety goggles, face protection shield.
- Skin and Body Protection**              Wear protective gloves.
- Respiratory Protection**                If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
- General Hygiene Considerations** When using this product do not eat, drink, or smoke. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<p><b>Physical State</b> <b>Appearance</b> <b>Color</b></p>	<p>Liquid Clear Liquid Clear</p>	<p><b>Odor</b> <b>Odor Threshold</b></p>	<p>Characteristic N/A</p>
<p><b><u>Property</u></b> pH Flash Point Evaporation Rate Specific Gravity Explosion Hazards Water Solubility</p>	<p><b><u>Values</u></b> 10-11 None, does not flash Not determined 1.005 None Expected Complete</p>	<p><b><u>Remarks • Method</u></b></p>	

**10. STABILITY AND REACTIVITY**

**Chemical Stability**

Stable under normal use, storage and transport conditions.

**Possibility of Hazardous Reactions**

None under normal processing and storage.

**Conditions to Avoid**

Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

**Incompatible Materials**

Strong oxidizing agents, reducing agents, Anionic surfactants.

**Hazardous Decomposition Products**

Upon decomposition, this product may yield oxides of carbon, nitrogen, hydrocarbons, fumes and smoke.

**11. TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

- Inhalation**                                      Not likely, due to the form of the product.
- Eye Contact**                                    Contact with eyes may cause eye irritation.
- Skin Contact**                                    Contact may cause skin irritation.
- Ingestion**                                        Harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	5050 mg/kg (Rat)	12800 mg/kg ( Rabbit )	-
2-aminoethanol 141-43-5	1515 mg/kg ( Rat )	2504 mg.kg ( Rabbit )	>1.3 mg/l 6h
Quaternary Ammonium Compounds 68424-85-1	430 mg/kg	3560 mg/kg	
Dimethylaurylamine oxide 1643-20-5	3625 mg/kg ( Rat )		

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms** May cause irritation to the eyes including redness, tearing, and blurred vision.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity** No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, OSHA, IARC or NTP.

**Unknown Acute Toxicity** None known

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacean
Quaternary Ammonium Compounds 68424-85-1		LC50: Bluegill 0.515 mg/l		NOEL: Daphnia 0.0042 mg/l
Isopropyl Alcohol 67-63-0		LC50: Fish 9640 mg/l 96 h		EC50: Crustaceans 1400 mg/l 48 h
2-aminoethanol 141-43-5	EC50 Selenastrum capricornutum 2.5 mg/l 72 h	LC50: Cyprinus carpio 349 mg/l 96 h		EC50 Daphnia magna 65 mg/l 48 h

**Persistence and Degradability**

Expected to be biodegradable

**Bioaccumulation**

The potential to accumulate or bio-magnify in the environment is low.

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal of Wastes** PESTICIDE DISPOSAL – Pesticides wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact you State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

**Containers** Non-refillable container. Do not reuse or refill container. Clean container promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Follow Pesticide Disposal instructions for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Offer for recycling or reconditioning, if available. If not available, puncture and dispose in a sanitary landfill.

**14. TRANSPORT INFORMATION**

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

**DOT** Not Regulated

**IATA** Not Regulated

**IMDG** Not Regulated

**15. REGULATORY INFORMATION**

**International Inventories** A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country (s). A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country (s).

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(b) Inventory	Yes
<b>DSL</b>	Canadian Domestic Substances List	Yes
<b>NDSL</b>	Non-Domestic Substances List	No
<b>EINECS</b>	European Inventory of Existing Chemical Substances	Yes
<b>ELINCS</b>	European List of Notified Chemical Substances	No
<b>ENCS</b>	Japan Existing and New Chemical Substances	Yes
<b>IECSC</b>	China Inventory of Existing Chemical Substances	Yes
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances	Yes
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances	Yes
<b>New Zealand</b>	New Zealand Inventory	Yes

**US Federal Regulations**

This product is a pesticide registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

**EPA Registration Number** 10324-85-5747

**SARA 313** Not regulated

**US State Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2- aminoethanol 141-43-5	X	X	X
Isopropyl Alcohol 67-63-0	X		X

**California Proposition 65** No ingredients listed

---

<b>16. OTHER INFORMATION</b>
------------------------------

<u><b>NFPA</b></u>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>		
	1	0	0		
<u><b>HMIS</b></u>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>	
	1	0	0	B	

**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**