

019

117366

MATERIAL SAFETY DATA SHEET

Arrow Chemical Products, Inc.  
2007 St. Anne  
Dunbar, MI 48216  
(313) 277-6277  
Emergency Telephone: (800) 535-5933 (Outside)

| Hazard Rating Scale |  |
|---------------------|--|
| 4 = Extreme         |  |
| 3 = High            |  |
| 2 = Moderate        |  |
| 1 = Slight          |  |
| 0 = Not Significant |  |

|               |
|---------------|
| Health: 0     |
| Fire: 0       |
| Reactivity: 0 |

Section 1 - IDENTIFICATION

Product Name: **#439 - TAKE 1 GLASS & SURFACE DISINFECTANT CLEANER** Date Prepared: 10-04-01  
Chemical Family: Water Based Cleaners Proper D.O.T. Shipping Name: Liquid Cleaning Compound

Section 2 - INGREDIENTS IDENTIFICATION INFORMATION (Hazardous Ingredients as Defined by OSHA, 29 CFR 1910.1200)

| % By Wgt. | Ingredient                              | UEL     | TLV     | C.A.S. No. |
|-----------|-----------------------------------------|---------|---------|------------|
| 0-5       | Alkyl dimethyl benzyl ammonium chloride | N/E     | N/E     | 68424-85-1 |
| 0-5       | Octyl decyl dimethyl ammonium chloride  | N/E     | N/E     | 52426-11-2 |
| 0-5       | Dioctyl dimethyl ammonium chloride      | N/E     | N/E     | 5538-94-3  |
| 0-5       | Didecyl dimethyl ammonium chloride      | N/E     | N/E     | 7173-51-5  |
| 0-5       | Dissolvec (chelating agent)             | N/E     | N/E     | 64-03-8    |
| 0-5       | Laurel dimethyl amine oxide             | N/E     | N/E     | 1643-20-5  |
| 0-5       | Glycerin                                | N/E     | N/E     | 56-81-5    |
| 0-5       | Nonoxethanol-9                          | 5 ppm   | 5 ppm   | 141-15-5   |
| 0-5       | Nonionic Surfactant                     | N/E     | N/E     | 78330-20-8 |
| 0-5       | Isopropanol*                            | 400 ppm | 400 ppm | 67-63-0    |
| <1%       | Alpine Fresh Perfume                    | N/E     | N/E     | None       |

ITEMS MARKED \* ARE SARA TITLE III SEC 313 REPORTABLE. ALL INGREDIENTS ARE ON OSHA INVENTORY

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

|                              |                                  |
|------------------------------|----------------------------------|
| BOILING POINT                | >250 °F                          |
| SPECIFIC GRAVITY             | 99                               |
| EVAPORATION RATE (WATER = 1) | 1                                |
| SOLUBILITY IN WATER          | Complete                         |
| APPEARANCE AND ODOR          | Clear liquid, Pleasant fragrance |
| pH                           | 8.5 - 9.5                        |

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (FCC) >201° F  
FLAMMABLE LIMITS - N/A (UEL: N/A UEL: N/A)  
EXTINGUISHING MEDIA - Water or suitable material for primary source of fire  
SPECIAL FIRE FIGHTING PROCEDURES - None UNUSUAL FIRE AND EXPLOSION HAZARD - None known

SECTION 5 - REACTIVITY DATA

STABILITY - Stable CONDITIONS TO AVOID - None known  
INCOMPATIBILITY (MATERIALS TO AVOID) - Strong oxidizing agents  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS - Upon decomposition, may yield poisonous gases including oxides of nitrogen and ammonia  
HAZARDOUS POLYMERIZATION - Will not occur  
CONDITIONS TO AVOID - None

SECTION 6 - HEALTH HAZARD DATA

ROUTES OF ENTRY EYES (X) SKIN (X) INGESTION (X) INHALATION ( )  
HEALTH HAZARDS (ACUTE AND CHRONIC)  
ACUTE: Causes eye irritation. CHRONIC: None known based on OSHA Criteria  
CARCINOGENICITY: NTP, IARC MONOGRAPHS, OSHA REGULATED? No  
SIGNS AND SYMPTOMS OF EXPOSURE - Eyes: Direct contact will cause irritation. Skin: Prolonged skin contact will cause irritation.  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - None known  
EMERGENCY AND FIRST AID PROCEDURES:  
EYES: Immediately flush eyes with plenty of water. Contact a physician.  
SKIN: Flush skin with plenty of water. Contact a physician if irritation occurs.  
SWALLOWING: Get immediate medical attention or advice.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED - Absorb spilled material and sweep up.  
WASTE DISPOSAL METHOD - Dispose of in accordance with all applicable regulations.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - Wash thoroughly after handling. Avoid freezing or excessive heat.  
OTHER PRECAUTIONS - Do not mix with other chemicals.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION - Not required with normal usage.  
VENTILATION - Normal room ventilation.  
PROTECTIVE GLOVES - Rubber gloves or other impervious gloves recommended.  
EYE PROTECTION - Avoid contact with eyes.

This product is not regulated under CERCLA or RCRA. This product is not reportable under SARA Title III Section 311/312.  
N/A - Not Applicable N/E - Not Established Prepared by: Cindy Schroeder, Director of Research