

# DESCO INDUSTRIES INC. Technical Bulletin TB-7061

## Safety Data Sheet

May be used to comply with ANSI Z400.1-2004, 29 CFR 1910.1200, Regulation (EC) No 1272/2008 (CLP Regulation), and GHS. Standard must be consulted for specific requirements.

## Ionizer Emitter Pin Cleaner

### SECTION 1 - IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product name: Ionizer Emitter Pin Cleaner  
Recommended use: Pin Cleaner  
Manufacturer: Desco Industries, Inc.  
One Colgate Way.  
Canton, MA 02021  
U.S.A.  
Telephone: 781-821-8370  
Emergency: 781-821-8370

### SECTION 2 - HAZARDS IDENTIFICATION

#### Classification:

Flammable Liquid	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity - Single exposure	Category 3

#### Labelling:

Symbol: Flammable, Health Hazard.  
Signal word: Danger.  
Hazard statement: Highly flammable liquid and vapor.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

#### Precautionary statements:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
Wear protective gloves.  
Wear eye or face protection.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.  
Keep cool.  
Dispose of contents and container in accordance with all local, regional, national, and international regulations.

### SECTION 3 - INFORMATION ON INGREDIENTS/COMPOSITION

Hazardous Ingredients	CAS-No.	Weight %
Isopropyl Alcohol	67-63-0	60 - 100 %

#### SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
Skin Contact:	In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention if symptoms occur.
Ingestion:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
Inhalation:	Move exposed person to fresh air. Get medical attention if symptoms occur.
Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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#### SECTION 5 - FIRE-FIGHTING MEASURES

Proper Extinguishing Media:	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable Extinguishing Methods:	Do not use water jet or water-based fire extinguishers.
Protective Equipment & Precautions:	Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOAH-approved) and full protective gear.
Special Fire Fighting Procedures:	Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Unusual Fire and Explosion Hazards:	Highly flammable.
Combustion Products:	Carbon dioxide, Carbon monoxide.

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#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions:	N/A.
Environmental Precautions:	Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
Clean Up:	Place spilled material in an appropriate container for disposal.

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#### SECTION 7 - HANDLING AND STORAGE

Handling:	Put on appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Storage:	Store in accordance with local regulations. Store in a segregated and approved area. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Use appropriate container to avoid environmental contamination.  Storage Temperature: Max. 49°C/120°F-1°C/34°F Keep from freezing-product may coagulate. Keep out of reach of children.

## SECTION 8 - EXPOSURE CONTROL/PERSONAL EXPOSURE

### Exposure Limits

Hazardous Ingredients:	CAS No.	TLV-value	OSHA PEL
Isopropanol	67-63-0	200 ppm	400 ppm / 980 mg/m <sup>3</sup>

### Exposure controls

Measures for Technical Control:	Preferences of technical measure to prevent or control contact with the product. Isolating process and personnel, mechanical ventilation (dilution and local exhaust) and the regulation of process conditions. In case of non-prevention or non-control, use the proper hand eye protection and other protective items listed in this section.
Respiratory Protection (Specify Type):	Not required under normal conditions of use. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear MSHA/NIOSH-approved respirator where exposure limits are exceeded.
Environmental Exposure:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Personal protective equipment (PPE)

Hand Protection:	Use gloves appropriate for work or task being performed. Use latex.
Eye Protection:	Chemical Splash Goggles as defined in ANSI Z-87.1 or a similar standard.
Skin Protection:	Personal protective equipment for the body, Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before using this product. Recommended: Lab coat.
Work/Hygienic Practices:	Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands, forearm, and face thoroughly after handling, before eating, smoking, or using washroom facilities, and at the end of the working period.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Dry swab w/vial of 90% IPA/10% DIW.
Color:	Colorless.
Odor:	Alcohol-like.
Odor Threshold:	N/A.
pH:	N/A.
Melting Point at °C:	N/A.
Boiling Point at °C:	N/A.
Flash Point at °C:	Closed cup: 18 C
Evaporation Rate:	N/A.
Inflammability Limits (vol.% in air):	N/A.
Vapor Pressure (mmHg):	N/A.
Vapor Density (air=1):	N/A.
Specific Gravity (H2O=1):	N/A.
Solubility in water:	N/A.
Ignition Temperature:	N/A.
Viscosity:	N/A.
Partition coefficient:	N/A.
Decomposition Temperature:	N/A.
VOC:	90.3 % (w/w)

## SECTION 10 - STABILITY AND REACTIVITY

Stability/Reactivity:	Stable product at normal conditions.
Conditions to avoid:	Temperatures above 49°C/120°F and below 1°C/34°F. Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Materials to avoid:	Oxidizing materials.
Hazardous Decomposition:	Carbon Dioxide, Carbon Monoxide.
Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

### Toxicological Affects

Skin Contact:	No known significant effects or critical hazards.
Eye Contact:	Adverse symptoms may include the following: irritation, watering, redness.

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## SECTION 12 - ECOLOGICAL INFORMATION

Mobility:	N/A.
Degradability:	N/A.
Bioaccumulation:	LogP <sub>ow</sub> : 0.05 Bioaccumulative potential: Low
Ecotoxicity:	Acute LC50 (Crustacean - Craxon craxon, 48 hours): 1400000 to 1950000 ug/l Marine water Acute LC50 (Fish - Gambusia affinis, 96 hours): 1400000 ug/l
Reference to BimSchV:	N/A.
Hazard Classification:	N/A.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

### Product

Disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Hazardous Waste: The classification of the products may meet the criteria for a hazardous waste.

### Packaging

Disposal: Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special Precautions: Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container.

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## SECTION 14 - TRANSPORT INFORMATION

UN number:	UN1219
UN proper shipping name:	Isopropyl Alcohol.
UN Transport Hazard class:	Class 3: Flammable liquids.
UN Packing Group:	II

## **SECTION 15 - REGULATORY INFORMATION**

Chemical Safety Assessment: This product contains substances for which Chemical Safety Assessments are still required.

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## **SECTION 16 - OTHER INFORMATION**

**SDS Updated: 2015-06-22**

### **Disclaimer**

OTHER INFORMATION: This 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 other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.