

SAFETY DATA SHEETS

This SDS packet was issued with item:

078826735

N/A

Material Safety Data Sheet

SKLAR DISINFECTANT

Sklar Instruments

Distributor

889 South Matlack Street

Address

West Chester, PA 19382

(800) 221-2166

Phone Number (For Information)

(800) 221-2166

Emergency Phone Number

Telex*

Identity (Trade Name As Used On Label)

N/A

MSDS Number*

N/A

CAS Number*

September 29, 2009

Date Prepared

Sklar Instruments

Prepared By:

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS—Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%*	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDATIONS
Isopropanol CAS# 67-63-0	20.85	400ppm	980mg/m3	N/A
Composition: This product is not hazardous. The individual ingredients present within the mixture that are greater than 1% of the entire formulation and that may, by themselves, present a health hazard are:				
Carcinogenic Ingredients: This product is not carcinogenic. The individual ingredients present with the mixture that consists of 0.1% or greater of the entire formulation and that may, by themselves, present carcinogenic effects are: None				
Total				

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	188 degrees F	Specific Gravity (H2O = 1)	0.95 to 0.97
Vapor Pressure (mm Hg)	0.2 - 4.7	Freezing Point	-10°C
Vapor Density (Air = 1)	+1	Evaporation Rate (_____ = 1)	Similar to water
Solubility in Water	Complete	Water Reactive	No Info

Appearance and Odor Slight alcohol fragrance. Clear in color.

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	87° F (Closed Cup method - trapped alcohol vapors)	Auto-Ignition Temperature	No Info	Flammability Limits in Air % by Volume	None	LEL	No Info	UEL	No Info
Extinguisher Media	Alcohol Foam, Dry Chemical, CO2								
Special Fire Fighting Procedures	NIOSH for alcohol fires								

Unusual Fire and Explosion Hazards As with all products containing alcohol, the alcohol vapors may be heavier than air.

Refer to section 7 for specific storage, handling and transportation exemption per Code of Federal Regulations as an "Aqueous / Alcohol" solution.

*Optional

SECTION 4 - REACTIVITY HAZARD DATA**SKLAR DISINFECTANT****STABILITY**

- Stable
 Unstable

Conditions
To Avoid**Extreme heat or open flame**Incompatibility
(Materials to Avoid)**Concentrated acids**Hazardous
Decomposition Products**Oxides of carbon upon combustion****HAZARDOUS POLYMERIZATION**

- May Occur
 Will Not Occur

SECTION 5 - HEALTH HAZARD DATA**PRIMARY ROUTES
OF ENTRY**

- Eye
 Skin Absorption
 Inhalation
 Ingestion

CARCINOGENICITYNTP **No**
LARC Monograph **No**OSHA **No**
Not ListedSigns and Symptoms
of Exposure**Eyes:** May cause some slight reversible eye irritation with direct contact.**Inhalation:** Prolonged, contained exposure to alcohol vapors may cause light-headedness and/or irritation to nose and throat.**Skin:** May produce some slight redness or irritation although unlikely.**Ingestion:** May cause some gastric distress.

Medical Conditions

Generally Aggravated by Exposure

May cause some slight dermal irritation although unlikely**EMERGENCY FIRST AID PROCEDURES**

Eye Contact

Flush with water. If irritation persists, seek medical attention.

Skin Contact

If irritated, flush with water. If irritation persists, seek medical attention.

Inhalation

Remove to fresh air. Seek medical attention.

Ingestion

Seek medical attention. Drink water or milk. Induce vomiting.**SECTION 6 - CONTROL AND PROTECTIVE MEASURES**Respiratory Protection
(Specify Type)**N/A**

Protective Gloves

N/A

Eye Protection

Avoid direct contact with eyes.**VENTILATION
TO BE USED** Local Exhaust **N/A** Mechanical (general) **Usual** Special **N/A** Other (specify)Other Protective
Clothing and Equipment**N/A**Hygienic Work
Practices**No Info****SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**Steps to be Taken If Material
Is Spilled Or Released**Flush to sanitary sewer system using plain water.**Waste Disposal
Methods**Ordinary waste system.**Precautions to be Taken
in Handling and Storage**"Alcohol containing solutions with 24 percent or less alcohol by volume and which consists of no less than 50 percent water and are stored in containers holding less than 750 US gallons are exempt from the classification as flammable and require no special shipping, storage or handling".**

Other Precautions and/or Special Hazards

Transportation: not regulated for ground transport except in bulk. Air requires hazard label due to alcohol content.NFPA **N/A**
Rating* Health ___ Flammability ___ Reactivity ___ Special ___HMIS Index: 4-Severe Hazard; 3-Serious Hazard; 2-Moderate Hazard; 1-Slight Hazard
Rating* Health **0** Flammability **0** Reactivity **0** Personal Protection **No Info**

Optional*

SECTION 1 – PRODUCT IDENTIFICATION

Product Name: Sklar Disinfectant Surface / Equipment Disinfectant and Cleaner
Recommended Use: Cleaner, Disinfectant, Deodorizer
Restrictions for Use: Use only as directed.
Manufactured for: Sklar Instruments
 889 South Matlack Street
 West Chester, PA USA 19382
 800.221.2166
Emergency 24-Hour Phone Number 1.800.255.3924

SECTION 2 – HAZARD(S) IDENTIFICATION

Classification

Hazard Class	Category
Flammable Liquid	3
Eye Irritation	2A
Specific target organ toxicity (single exposure)	3



FLAMMABLE, WARNING

Ratings	NPFA	HMIS
Health	0	0
Fire	0	1
Reactivity	0	0

Hazard: Flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.

Precaution: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use only outdoors or in a well ventilated area. Wear protective gloves/eye protection/face protection.

Response:
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
 IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

Storage and Disposal: Store in a well ventilated place. Keep cool. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Potential Health Effects (Acute and Chronic): 1% of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	% by wt
Isopropyl Alcohol	67-63-0	10-30
2-Butoxyethanol	111-76-2	1-5

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4 – FIRST AID MEASURES

In Case of Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if victim feels unwell.

In Case of Skin Contact: In case of contact, IMMEDIATELY flush skin with plenty of water. Remove contaminate clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

In Case of Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical advice/attention.

In Case of Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Pt: N/A.

Explosive Limits: LEL: No Data UEL: No Data

Auto Ignition Pt: N/A

Suitable Extinguishing Media: Water fog, carbon dioxide, dry chemical or alcohol foam.

Fire Fighting Instructions: Keep upwind of fire. Wear full fire fighting tun-out gear (full Bunker gear) and respiratory protection (SCBA).

Flammable Properties and Hazards: No data available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

Steps to Be Taken in Case Material is Released or Spilled: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Scoop up material and place in a disposal container. Provide ventilation.

SECTION 7 – HANDLING & STORAGE

Precautions to Be Taken in Handling: Keep away from sources of ignition. No smoking. Take precautionary measures against static discharge. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only non-sparking tools. Use only outdoors or in wellventilated area.

Precautions to Be Taken in Storing: Proper grounding procedures to avoid static electricity should be followed. Keep locked up and out of the reach of children. Keep container tightly closed and in a well-ventilated place. Keep cool.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure guidelines:

Chemical Name	ACGH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol (67-63-0)	200 ppm	980 mg/m ³	Not Available
2-Butoxyethanol (111-76-2)	20 ppm	240 mg/m ³	Not Available

Respiratory Equipment: In case of insufficient ventilation, wear suitable respiratory equipment. 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.

Eye Protection: Wear approved eye protection (properly fitted dust or splash proof chemical safety goggles) and face protection (face shield).

Protective Gloves: N/A

Other Protective Clothing: Wear chemical protective clothing.

Engineering Controls (Ventilation etc.): Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State: Liquid	Upper/Lower Flammability or Exposure Limits: Not Determined
Appearance: Colorless Liquid	Vapor Pressure (vs. Air or Mm Hg): Not Determined
Odor: Alcohol-like	Vapor Density (vs. Air=1): Not Determined
Odor Threshold: Not Determined	Relative Density: 0.97
pH: 7.6	Solubility(ies): Not Determined
Melting Point / Freezing Point: Not Determined	Partition Coefficient (n-octanol/water): Not Determined
Initial Boiling Point and Boiling Range: Not Determined	Auto-ignition Temperature: Not Determined
Flash Point: 30°C (86°F) TCC	Decomposition Temperature: Not Determined
Evaporation Rate: Not Determined	Viscosity: Not Determined
Flammability (solid, gas): Flammable	Specific Gravity (Water=1): Not Determined

SECTION 10 – STABILITY & REACTIVITY

Stability: Stable under recommended storage conditions. May form flammable/explosive vapor-air mixture.

Conditions to Avoid: Heat. Incompatible materials. Sources of ignition.

Incompatible-Materials to Avoid: Oxidizers.

Hazardous Decomposition Products: May include and are not limited to: oxides of carbon.

Hazardous Reactions: Not reactive under normal conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on Toxicological Effects
Likely Routes of Exposure: Inhalation, skin contact, eye contact, ingestion
Information Related to Physical, Chemical, and Toxicological Effects
 See section 4 of this SDS.
Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure
Carcinogenicity: NTP: No IARC: No OSHA: No

Numerical Measures of Toxicity:

Product			
ATE (oral)	>2000 mg/kg, rat		
ATE (dermal)	>2000 mg/kg, rabbit		
ATE (inhalation)	>20 mg/l/4h		
Component Information			
Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol (67-63-0)	4396 mg/kg (rat)	12800 mg/kg (rat)	72.6 mg/l/4h (rat)
2-Butoxyethanol (111-76-2)	470 mg/kg (rat)	Not available	450 ppm/4h (rat)

SECTION 12 – ECOLOGICAL INFORMATION

This product has no known ecotoxicological effects.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of the product and container in accordance with all applicable local, state, and federal regulations. The generation of waste should be avoided or minimized whenever possible. Handle empty containers with care because residual vapors are flammable

SECTION 14 – TRANSPORT INFORMATION**Land Transport (US.DOT):**

DOT Proper Shipping Name: Not regulated (49 CFR § 173.150(e))

DOT Hazard Class:

UN/NA Number:

Air Transport (ICAO/IATA):

ICAO/IATA Shipping Name: Regulated

IMDG (Vessel): Regulated (Greater than 5 liters otherwise limited quantity)

Note: Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information. UN1987, Alcohols, n.o.s. (Isopropanol), 3, PG III

SECTION 15 – REGULATORY INFORMATION

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. Following is the hazard information as required on the pesticide label.

CAUTION

Harmful if inhaled or absorbed through skin.

Causes moderate eye irritation.

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

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

Remove contaminated clothing and wash clothing before reuse.

Do not use or store near heat or open flame

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

SARA 313

This product contains chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act and Title 40 of the Code of Federal Regulations, Part 372. Chemicals: Isopropanol and Butoxyethanol.

SECTION 16 – OTHER INFORMATION

Revisions Date: 11-14-2016

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 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 designed 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