

10/5/07



SIGMA-ALDRICH

Material Safety Data Sheet

Date Printed: 09/27/2007
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Version 1.20

Section 1 - Product and Company Information

Product Name: Igepal CA-630, for molecular biology
Product Number: I8896
Brand: Sigma Chemical
Company: Sigma-Aldrich
Address: 3050 Spruce Street
City, State, Zip, Country: SAINT LOUIS, MO 63103 US
Technical Phone: 800-325-5832
Fax: 800-325-5052
Emergency Phone: 314-776-6555

Section 2 - Composition/Information on Ingredient

Table with columns: Substance Name, CAS#, SARA 313, EC no, Annex I Index Number. Includes IGEPAL CA-630 and impurities like ETHYLENE OXIDE and 1,4-DIOXANE.

Formula: (C2H4O)n-C14H22O [n=9-10]
Synonyms: octylphenoxy poly(ethyleneoxy)ethanol, branchedethoxylated octylphenol, branchedPoly(oxy-1,2-ethanediy), alpha-(octylphenyl)- omega -hydroxy-, branched Polyoxyethylene(*)octylphenyl ether, branched

Section 3 - Hazards Identification

Emergency Overview: Harmful. Harmful if swallowed. Risk of serious damage to eyes. Calif. Prop. 65 carcinogen.

HMIS Rating: Health: 2, Flammability: 1, Reactivity: 0

NFPA Rating: Health: 2, Flammability: 1, Reactivity: 0

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure: In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A
Extinguishing Media Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
Firefighting Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure to be Followed in Case of Leak or Spill: Evacuate area.
Procedure(s) of Personal Precaution(s): Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.
Methods for Cleaning Up: Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling User Exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
Storage Suitable: Keep tightly closed.

Section 8 - Exposure Controls / PPE

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.
Personal Protective Equipment Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand: Compatible chemical-resistant gloves.
Eye: Chemical safety goggles.

General Hygiene Measures
Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance	
Physical State Clear viscous liquid	
Molecular Weight	N/A
pH	N/A
BP/BP Range	N/A
MP/MP Range	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	106 g/cm ³
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A
Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point °F	N/A
Flash Point °C	N/A
Explosion Limits N/A	
Flammability N/A	
Autoignition Temp	N/A
Refractive Index	1.492
Solubility	N/A

N/A = not available

Section 10 - Stability and Reactivity

Stability	
Stable Stable.	
Materials to Avoid Strong oxidizing agents.	
Hazardous Decomposition Products	
Hazardous Decomposition Products Carbon monoxide, Carbon dioxide	

Hazardous Polymerization
Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

Route of Exposure	
Skin Contact May cause skin irritation.	
Skin Absorption May be harmful if absorbed through the skin.	
Eye Contact Causes severe eye irritation.	
Inhalation May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.	
Ingestion Harmful if swallowed.	

Signs and Symptoms of Exposure
Exposure can cause: Nausea. Diarrhea. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTCS Number: N/A

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
Contact a licensed professional waste disposal service to dispose of this material.
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT	
Proper Shipping Name: None	
Non-Hazardous for Transport This substance is considered to be nonhazardous for transport.	
IATA	
Non-Hazardous for Air Transport Non-hazardous for air transport.	

Section 15 - Regulatory Information

EU Additional Classification

Symbol of Danger: Xn	
Indication of Danger Harmful.	
Risk Statements	R: 22 41
Harmful if swallowed. Risk of serious damage to eyes.	
Safety Statements	S: 26 39
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.	

US Classification and Label Text

Indication of Danger Harmful.	
Risk Statements Harmful if swallowed. Risk of serious damage to eyes.	

Safety Statements

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

US Statements

Calif. Prop. 65 carcinogen.

United States Regulatory Information

SARA Listed: Yes

Deminimis: 10 %

Notes: This product is subject to SARA section 313 reporting requirements: glycol ethers.

United States - State Regulatory Information**California Prop - 65**

This product is or contains chemical(s) known to the state of California to cause cancer.

Canada Regulatory Information**WHMIS Classification**

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains the information required by the CPR.

DSL: Yes

NDSL: No

Section 16 - Other Information

Disclaimer

For R&D use only. Not for drug, household or other uses.

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. SigmaAldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice packing slip for additional terms and conditions of sale. Copyright 2007 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.