

Quaternium-31

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

Revision Date: 07/17/2020
Supersedes: 04/17/2018

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Quaternium-31
Synonyms: Not available
INCI Name: Dicytyldimonium chloride, isopropyl alcohol
CAS Number: 1812-53-9, 67-63-0
Formula: C₃₄H₇₂ClN
Product Form: Liquid
Product Use: Cosmetic use

Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE
 Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Flammable liquids: Category 3
 Acute toxicity (Oral): Category 4
 Eye irritation: Category 2A
 Specific target organ systemic toxicity - single exposure: Category 3 (central nervous system)
 Acute aquatic toxicity: Category 1
 Chronic aquatic toxicity: Category 2
GHS Signal Word: WARNING

GHS Hazard Pictograms:



GHS Hazard Statements:

H226: Flammable liquid and vapor
 H302: Harmful if swallowed
 H319: Causes serious eye irritation
 H336: May cause drowsiness or dizziness
 H400: Very toxic to aquatic life

GHS Precautionary Statements:

H411: Toxic to aquatic life with long lasting effects
 P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233: Keep container tightly closed.
 P240: Ground/bond container and receiving equipment.
 P241: Use explosion-proof electrical/ventilating/lighting/equipment.
 P242: Use only non-sparking tools.
 P243: Take precautionary measures against static discharge.
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264: Wash skin thoroughly after handling.
 P270: Do not eat, drink, or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/eye protection/face protection.
 P301 + P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P303 + P361 + P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312: Call a POISON CENTER/doctor if you feel unwell.
 P330: Rinse mouth.
 P337 + P313: If eye irritation persists: Get medical advice/attention.
 P370 + P378: In case of fire: Use dry sand, dry chemical, or alcohol resistant foam for extinction.
 P391: Collect spillage.
 P403 + P233: Store in a well-ventilated place. Keep cool.
 P405: Store locked up.

Potential Health Hazards: P501: Dispose of contents/container to an approved waste disposal plant.
 Eyes: Causes eye irritation.
 Inhalation: Causes respiratory irritation.
 Skin: Causes skin irritation.
 Ingestion: Causes irritation when ingested.

NFPA Ratings (704):

Health	2	Moderate
Flammability	3	Serious
Reactivity	0	Minimal
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Dicetyldimonium chloride	1812-53-9	≥70 - ≤80%	N/A
Isopropyl alcohol	67-63-0	≥20 - <25%	N/A

4 FIRST AID MEASURES

Eyes: Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If eye irritation persists, consult a specialist.

Inhalation: Remove victim to fresh air. Consult physician.

Skin: Take off contaminated clothing and shoes immediately. Wash off with soap and water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Flash Points: 24°C / 75°F (closed cup)

Specific hazards arising from the chemical: In fires, hazardous combustion gases are formed; nitrogen oxides, carbon monoxide, hydrogen chloride. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions: Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

Methods and material for containment and cleaning up: Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling: Avoid contact with skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety practices. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

Conditions for safe storage, incl. any incompatibilities: No smoking. Store in original container. Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Isopropyl alcohol	200ppm	ACGIH	TWA
	400ppm	ACGIH	STEL
	400ppm / 980mg/m ³	NOSH REL	TWA

500ppm / 1225mg/m³
 400ppm / 980mg/m³
 500ppm / 1225mg/m³

NOSH REL
 OSHA Z-1
 OSHA P0

ST
 TWA
 STEL

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

Eyes: Tightly fitting safety goggles should be worn. Wear a face shield and protective suit for abnormal processing problems.

Inhalation: In the case of vapor formation use a respiratory with an approved filter.

Body: Wear impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

Other: Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid	Vapor Pressure:	No data available
Odor:	Characteristic alcohol-like	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Clear	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	12.0% (V) / 2.0% (V)
pH (5% aq. sol. isopropanol):	6.5-8.5	Flash Point (closed cup):	24° C (75° F)
Boiling Point:	93° C (199° F)	Specific Gravity @ 25° C:	No data available
Melting Point:	No data available	Solubility in Water:	Dispersible
Relative Density:	0.868 (24° C)	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	No data available

10 STABILITY AND REACTIVITY

Reactivity: No data available

Chemical Stability: No data available

Hazardous Polymerization: Vapors may form explosive mixture with the air.

Conditions to Avoid: Heat, flames, and sparks. Avoid contact with skin, eyes, and clothing.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: In case of fire hazardous decomposition products may be produced, such as Carbon oxides and Nitrogen oxides (NOx).

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute toxicity estimate: 714.29 mg/kg

Skin: Solvents may degrease the skin.

Eyes: No data available

Respiratory: No data available

Ingestion: No data available

Carcinogenicity: No data available

Teratogenicity: No data available

Germ Cell Mutagenicity: No data available

Embryotoxicity: No data available

Specific Target Organ Toxicity: No data available

Reproductive Toxicity: No data available

Respiratory/Skin Sensitization: No data available

Corrosivity: No data available

Sensitization: No data available

Irritation: No data available

Repeated Dose Toxicity: No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Aquatic Vertebrate:	No data available
Aquatic Invertebrate:	No data available
Terrestrial:	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
PBT and vPvB Assessment:	No data available
Other Adverse Effects:	No data available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
Product Containers:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	No data available
TDG (Transportation of Dangerous Goods, Canada):	No data available
IMDG (International Maritime Dangerous Goods):	UN No: 2924 Proper shipping name: Flammable liquid, corrosive, n.o.s. (Isopropanol, Dicytyldimonium chloride) Class: 3 Subsidiary Risk: 8 Packing Group: III Labels: 3 (8) EmS Code: F-E, S-C Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable for product as supplied.
IATA (International Air Transport Association):	UN/ID No: 2924 Proper shipping name: Flammable liquid, corrosive, n.o.s. (Isopropanol, Dicytyldimonium chloride) Class: 3 Subsidiary Risk: 8 Packing Group: III Labels: 3(8) Packing instruction (cargo aircraft): 365 Packing instruction (passenger aircraft): 354
ICAO (International Civil Aviation Organization):	No data available

15 REGULATORY INFORMATION

TSCA Inventory Status:	All chemical substances in this product are listed on the TSCA Inventory.
DSCL (EEC):	All components of this product are on the Canadian DSL.
WHMIS (Canada):	No data available
EU EINECS/ELINCS/NLP:	No data available
China IECSC:	On the inventory, or in compliance with the inventory
China IECIC (06.30.2014):	No data available
Australia AICS:	On the inventory, or in compliance with the inventory
Korea KECI:	On the inventory, or in compliance with the inventory
Philippines PICCS:	On the inventory, or in compliance with the inventory
REACH:	On the inventory, or in compliance with the inventory
NZIoC:	On the inventory, or in compliance with the inventory

SARA 311/212 Hazards:	Fire Hazard Acute Health Hazard
SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313:	Isopropyl alcohol (CAS: 67-63-0) is subject to the reporting levels established by SARA Title III, Section 313.
Pennsylvania RTK:	Quaternary Ammonium compound (CAS: 68391-05-9) 70-80% Isopropanol (CAS: 67-63-0) 20-30% Water (CAS: 7732-18-5) 5-10%
New Jersey RTK:	Quaternary Ammonium compound (CAS: 68391-05-9) 70-80% Isopropanol (CAS: 67-63-0) 20-30% Water (CAS: 7732-18-5) 5-10%
California Prop. 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

16 OTHER INFORMATION

Revision Date:	07/17/2020
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	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 be 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 & completeness of such information for his own particular use.