

Quaternium-31

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

Revision Date: 07-31-2017
Supersedes: 11-15-2016

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Quaternium-31	Distributor: MakingCosmetics.com Inc.
Synonyms:	Address: 10800 231 st Way NE
INCI Name: Dicytyldimonium chloride, isopropyl alcohol	Redmond, WA 98053 (USA)
CAS Number: 107-88-0, 67-63-0	Phone / Fax: 425-292-9502 / 425-292-9601
Formula: C ₃₄ H ₇₂ ClN	Web: www.makingcosmetics.com
Product Form: Liquid	
Product Use: Cosmetic use	Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Eye Dam. 1, Aquatic Chronic 1, Acute Tox. 4, Skin Corr. 1B, STOT SE 3, Aquatic Acute 1
GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H302: Harmful if swallowed
H318: Causes serious eye damage
H314: Causes severe skin burns and eye damage
H410: Very toxic to aquatic life with long lasting effects
H335: May cause respiratory irritation

GHS Precautionary Statements:
Potential Health Hazards:

P281: Use personal protective equipment as required
Eyes: Irritant.
Inhalation: Irritant.
Skin: May be irritant.
Ingestion: Irritant.

NFPA Ratings (704):

Health	2	Moderate
Flammability	3	High
Reactivity	0	Minimal
Specific Hazard	n/a	

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Dicytyldimonium chloride	107-88-0	80%	N/A
Isopropyl alcohol	67-63-0	20%	N/A

4 FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.
Inhalation: Remove victim to fresh air. Consult physician.
Skin: Wash skin with soap and water. Consult physician.
Ingestion: Wash out mouth with water and consult a physician. Advice to doctor: detergents or surfactants cause irreversible damage to stomach and intestinal lining. Do not induce vomiting but pump stomach with the addition of preparation containing defoamer.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Alcohol foam, dry chemical, foam, carbon dioxide, water spray.
Special protective equipment & precautions for firefighters: Firefighters should wear full protective clothing including self-contained breathing Apparatus.
Flash Points: 20°C/75°F (closed cup)
Specific hazards arising from the chemical: In fires, hazardous combustion gases are formed; nitrogen oxides, carbon monoxide, hydrogen chloride.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: See section 8 for recommendations on the use of personal protective equipment. Keep away from sources of ignition.

Environmental precautions: Do not discharge into the drains/surface waters/ground water.

Methods and material for containment and cleaning up: Take up with absorbent material and dispose in accordance with local regulations.

7 HANDLING & STORAGE

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practices. Open container in presence of local exhaust ventilation.

Conditions for safe storage, incl. any incompatibilities: Keep away from sources of ignition. Use corrosion resistant containers. When stored in tank, cover with a protective layer of nitrogen gas for protection. To assure product integrity and quality, store under cool, dry conditions.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Quaternium-31	Not available		

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: Safety glasses, goggles, or face shield recommended for eye protection.

Inhalation: None needed but appropriate NIOSH approved respiratory protection may be worn.

Body: Gloves recommended to prevent prolonged skin contact.

Other: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Liquid	Vapor Pressure:	Not available
Odor:	Characteristic	Vapor Density:	~ 83 g/cm ³
Taste:	Not available	Evaporation Rate:	Not available
Color:	Clear to light yellow	Flammability:	Not available
Molecular Weight:	228.25 g/mol	Upper/lower Explosive Limit:	2.0/12.0
pH (1% sol. in water)	6.5-8.5	Solubility:	Dispersible in water.
Boiling Point:	~ 83 °C	Flash Point:	20 °C/75 °F (closed cup)
Melting Point:	Not available	Specific Gravity:	0.868 at 24 °C

10 STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.

Chemical Stability: Stable under normal conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid sources of ignition.

Incompatible Materials: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute oral toxicity (LD50) >2,000 (rat)

Skin: Mild to moderate irritant

Eyes: Not available

Respiratory: Not available

Ingestion: Not available

Carcinogenicity:	Not available
Teratogenicity:	Not available
Germ Cell Mutagenicity:	Not available
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	Not available
Reproductive Toxicity:	Not available
Respiratory/Skin Sensitization:	Not available

12 ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
PBT and vPvB Assessment:	Not available
Other Adverse Effects:	Not 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):	ADR/RID: 3/26b; Hazard number: 338; UN number: 2924; Hazard label: 3+8; Packaging group: III; TVB: 2924 Flammable liquid, corrosive n.o.s. (contains 2-Propanol and quaternary ammonium compounds)
IMDG (International Maritime Dangerous Goods):	IMDG-Code: 3.2; UN number: 2924; Hazard label: 3+8; EmS: 3-02; MFAG: 760+305; Remarks: Un2924, flammable liquid, corrosive, n.o.s. (contains 2-Propanol and quaternary ammonium compounds)
IATA (International Air Transport Association):	ICAO: 3; UN number: 2924; Hazard label: 3+8; Packing group: III; Packaging instruction: 305/307; ICAO max weight: 11/51; Remarks: 2924 Flammable liquid, corrosive n.o.s. (contains 2-Propanol and quaternary ammonium compounds)

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available
DSCL (EEC):	This product is not classified according to the EU regulations. Not applicable.
WHMIS (Canada):	Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date:	07-31-2017
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.