

## Quaternium-31

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

Revision Date: 20-Dec-2024  
Supersedes: 25-May-2021

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Quaternium-31	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	No data available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Dicetyldimonium Chloride (and) Isopropyl Alcohol	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	68391-05-9, 67-63-0	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	No data available	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Form:</b>	Liquid		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

**Classification:** Flammable liquids: Category 3  
Acute Toxicity - Oral: Category 4  
Serious Eye Damage/Eye Irritation: Category 2A  
Specific Target Organ Toxicity - Single Exposure: Category 3  
Acute Aquatic Toxicity: Category 1  
Chronic Aquatic Toxicity: Category 2

**Signal Word:**

**WARNING!**

**Hazard Pictograms:**



**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.

**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.  
P312: Call a POISON CENTER/doctor if you feel unwell.  
P330: Rinse mouth.  
P391: Collect spillage.  
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.  
P337 + P313: If eye irritation persists: Get medical advice/attention.

<b>Potential Health Hazards:</b>	P370 + P378: In case of fire: Use dry sand, dry chemical, or alcohol resistant foam for extinction.		
	P405: Store locked up.		
	P403 + P233: Store in a well-ventilated place. Keep cool.		
	P403 + P235: Store in a well-ventilated place. Keep cool.		
	P501: Dispose of contents/container in accordance with local and federal regulations.		
<b>NFPA Ratings (704):</b>	Eyes: May be an irritant.		
	Inhalation: May cause drowsiness or dizziness.		
	Skin: May be an irritant.		
	Ingestion: Harmful if swallowed.		
	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	68391-05-9	65 - 75%	Not Available
Isopropyl Alcohol	67-63-0	15 - 25%	Not Available
Water	7732-18-5	5 - 15%	Not Available

## 4 FIRST AID MEASURES

<b>Eyes:</b>	Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If eye irritation persists, consult a specialist.
<b>Inhalation:</b>	Move to fresh air. Consult a physician after significant exposure.
<b>Skin:</b>	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
<b>Ingestion:</b>	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

## 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperatures. Use appropriate media (dry chemical, alcohol resistant foam) for surrounding environment for adjacent fire. Do not use a high-volume water jet.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Follow standard procedure for chemical fires. Do not use a solid water stream as it may scatter and spread fire. Do not allow run-off from firefighting to enter drains or water courses. Cans should be stored separately in closed containments. Use water spray to cool unopened containers.
<b>Flash Points:</b>	72°F (24°C)
<b>Specific hazards arising from the chemical:</b>	None listed. See also Stability and reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
<b>Methods and material for containment and cleaning up:</b>	Soak up with inert absorbent material. Shovel into suitable container for disposal. After cleaning, flush away traces with water. Dispose of absorbed material in accordance with the regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Avoid contact with skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety measures. Wear personal protective equipment. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	No smoking. Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Isopropyl Alcohol	200 ppm	TWA / STEL	ACGIH
	400 ppm	TWA	ACGIH
	400 ppm / 980 mg/m <sup>3</sup>	ST	NIOSH - REL
	500 ppm / 1225 mg/m <sup>3</sup>	TWA	NIOSH - REL
	400 ppm / 980 mg/m <sup>3</sup>	TWA	OSHA Z-1
	400 ppm / 980 mg/m <sup>3</sup>	STEL	OSHA-P0
	500 ppm / 1225 mg/m <sup>3</sup>	STEL	OSHA-P0

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:

<b>Eyes:</b>	Tightly fitting safety goggles or face shield and protective suit for abnormal processing problems.
<b>Inhalation:</b>	Ensure adequate ventilation. In the case of vapor formation, use a respirator with an approved filter.
<b>Body:</b>	Wear impervious gloves and impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the workplace.
<b>Other:</b>	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

<b>Appearance:</b>	Liquid	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Characteristic, alcohol-like	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Clear	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	Upper: 12% (V) Lower: 2% (V)
<b>pH:</b>	6.5 - 8.5, 5% aqueous solution of isopropanol	<b>Flash Point:</b>	75°F (24°C) Closed cup
<b>Boiling Point:</b>	199°F (93°C)	<b>Specific Gravity:</b>	No data available
<b>Melting/Freezing Point:</b>	No data available	<b>Water Solubility:</b>	Dispersible
<b>Relative Density at 24°C:</b>	0.868	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Metal Corrosion:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Vapors may form explosive mixture with air.
<b>Conditions to Avoid:</b>	Keep away from heat, flames, and sparks. Avoid contact with skin, eyes, and clothing.
<b>Incompatible Materials:</b>	Avoid contact with strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	No data available.
<b>Possible Hazardous Reactions:</b>	No data available.

## 11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin:	Solvents may degrease the skin. Moderate skin irritation.
Eyes:	May cause serious eye injury.
Inhalation:	No data available.
Ingestion:	Oral, LD50 (mg/kg bodyweight) 714.29 mg/kg (calculation method).
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.
Sensitization:	No data available.

## 12 ECOLOGICAL INFORMATION

Ecotoxicity:	Highly toxic to aquatic life.
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:	Follow all federal, state, and local regulations for non-hazardous waste disposal. Disposal methods identified are for the product as sold. For proper disposal of used material, 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.
Product Containers:	Empty containers should be recycled or disposed of through an approved waste management facility. 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):	Regulated. UN Number: UN2924 Hazard Class: 3: Flammable and Combustible Liquids N.O.S. Packing Group: Group III Harmonization Code: 2923.90.0000
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Regulated. UN Number: UN2924 Hazard Class: 3: Flammable and Combustible Liquids N.O.S. Packing Group: Group III Harmonization Code: 2923.90.0000 Marine Pollutant: Yes.
IATA (International Air Transport Association):	Regulated. UN Number: UN2924 Hazard Class: 3: Flammable and Combustible Liquids N.O.S. Packing Group: Group III Harmonization Code: 2923.90.0000

ICAO (International Civil Aviation Organization): No data available.

## 15 REGULATORY INFORMATION

TSCA Registered:	Yes.
TSCA 5(a) SNUR:	No.
SARA Title III Section 313:	The following components are subject to reporting levels established by SARA Title III, Section 313: Isopropanol (67-63-0) 20%
Canada (DSL):	In compliance.
EU Classification (REACH):	In compliance with REACH.
China (IECSC):	In compliance.
China (CHINV):	Listed.
Australia (AICS):	In compliance.
Japan (ENCS):	No data available.
Philippines (PICCS):	In compliance.
Korea (KECI):	In compliance.
New Zealand (NZIoC):	Listed or in compliance.

## 16 OTHER INFORMATION

Revision Date:	20-Dec-2024
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.