



Material Safety Data Sheet

SECTION 1. IDENTIFICATION OF PRODUCT AND MANUFACTURER

Distributor: **McKinley Resources, Inc.**
Address: **PO Box 810472, Dallas, TX 75381**
Emergency Phone: **972-620-9730** i4
Emergency Phone No.: **Chem-Tel 800-255-3924**
Trade Name: **Dicetyldimonium Chloride**
INCI Name: **Dicetyldimonium Chloride**
Issue Date: **April 30, 2010**

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: **Dimethyl di-(C₁₂₋₁₈) ammonium chloride in propylene glycol**
Usage: **Organic conditioner for cosmetic formulations**

Components	CAS No.	EINECS	Symbol(s)	R-Phrase(s)	Concentration
Quaternary ammonium compounds, di-C ₁₂₋₁₈ -alkyldimethyl, chlorides	68391-05-9	269-924-1	C	34	>50 - <70 %

SECTION 3. HAZARDS IDENTIFICATION

Corrosive
Risk advice to man and the environment: **Causes burns.**

SECTION 4. FIRST AID MEASURES

General Advise: **Remove contaminated, soaked clothing immediately and dispose of safely.**
Inhalation: **Remove person to fresh air and keep calm. In the event of symptoms, seek medical attention.**
Skin Contact: **In case of skin contact, wash off immediately with plenty of water. Consult a physician if skin irritation persists.**
Eye Contact: **In case of contact with eyes, rinse thoroughly with water for at least 15 minutes. Seek medical attention.**
Ingestion: **Thoroughly clean mouth with water. Seek immediate medical attention.**
Notes to Physician:
Symptoms: **The following symptoms may occur: gastrointestinal complaints.**
Treatment: **When swallowed, stomach should be pumped out under addition of Dimethicone (anti-foam agent).**

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Foam, carbon dioxide, dry powder, water spray.
Extinguishing Media Which Must Not be Used for Safety Reasons:	Full water jet
Special Hazards from the Substance Itself, its Combustion Products or from its Vapors:	In the event of fire the following can be released: <ul style="list-style-type: none"> • Carbon dioxide, carbon monoxide • Nitrogen Oxides • Hydrogen Chloride
Special Protective Equipment for Fire-fighters:	Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus and wear protective suit.
Further Information:	Fire residues and contaminated fire-fighting water must be disposed of in accordance with local regulations. Cool endangered containers with water spray jet.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	High risk of slipping due to leakage/spillage of product. Use personal protective equipment (See Section 8).
Environmental Precautions:	Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.
Method for Clean-up:	Take up with absorbent material (ex. sand, univernal binder) and place in a appropriate waste container. Dispose of absorbed material in accordance with all federal, state and local regulations.

SECTION 7. HANDLING AND STORAGE

Handling:	When working with the product, vapors/aerosols may be evolved. Local exhaust and ventiation are recommended.
Storage:	Keep container tightly closed in a cool, well-ventilated place.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment General Protective Measures:	Do not inhale gases/vapors/aerosols.
Hygiene Measures:	Do not eat, drink or smoke when working. Remove soiled clothing immediately. Wash hands before breaks and after work.
Respiratory Protection:	In case of formation of vapors/aerosols, use a respiratory mask with combination filter A-P2.
Hand Protection:	PVC gloves

Eye Protection: Goggles or face shield
Skin and Body Protection: Light protective clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Color: Yellow
Odor: Characteristic
Boiling Point: Approx. 100°C
Flash Point: > 93°C Method: DIN EN 22719 (DIN 51758)
Autoignition temperature: Not measured
Lower Explosion Limit: Not measured
Upper Explosion Limit: Not measured
Specific Gravity (@21.1°C): 0.91
Water Solubility: Soluble
pH: 6.0 – 9.0

Further Information: Information given for the boiling point refer to the used solvent component.

SECTION 10. STABILITY AND REACTIVITY

Thermal Decomposition: Not measured
Hazardous Reactions: No hazardous reactions with proper storage and handling.
Hazardous Decomposition Products: None with proper storage and handling;

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD50 > 2.000 mg/kg (Rat)
Skin Irritation: Corrosive – undiluted product (Rabbit)
Eye Irritation: Corrosive – undiluted product (Rabbit)
Irritant – 5% solution (Rabbit)
Note: Causes burns.

SECTION 12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biological Degradability: 90 – 92%

Further Ecological Information:

Note: The product is considered to be a water pollutant (German law).
The product is completely biologically degradable.
Do not allow to enter soil, waterways or waste water canal.

SECTION 13. DISPOSAL CONSIDERATIONS

Product: Dispose of product in accordance with all federal, state and local regulations.
Contaminated Packaging: If the contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14. TRANSPORT INFORMATION

Land Transport

ADR: Class 8
Packaging Group: III
Orange Plate: Hazard no. 80
Substance no. 3267
Description of Goods: 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Hazard Release: Dimethyl dialkyl ammonium chloride
Label: 8 corrosive substance

RID: Class 8
Packaging Group: III
Orange Plate: Hazard no. 80
Substance no. 3267
Description of Goods: 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Hazard Release: Dimethyl dialkyl ammonium chloride
Label: 8 corrosive substance

Inland Waterway Transport

ADNR: Class 8
Item: C7
Description of Goods: 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Hazard Release: Dimethyl dialkyl ammonium chloride
Label: 8 corrosive

Sea Transport

IMDG: Class 8
Packaging Group: III UN-No: 3267
EmS: F-A-S-B
Correct Technical Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Hazard Release: Dimethyl dialkylammonium chloride
Label: 8 corrosive

Air Transport

ICAO/IATA: Class 8
Packaging Group: III UN-No: 3267
Correct Technical Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Hazard Release: Dimethyl dialkylammonium chloride
Label: 8 corrosive

SECTION 15. REGULATORY INFORMATION

United States

SARA Title III:

311/312 Hazard Categories: Fire: No Reactivity: No Acute: Yes
313 Reportable Ingredients: This product contains < 0.03% Methyl Chloride (CAS# 74-87-3)
TSCS: All ingredients are listed in TSCA inventory or comply with the TSCA Polymer Exemption criteria per 40 CFR 723.

California Prop. 65: This product does not contain any substance(s) which are defined by the State of California to cause cancer, birth defects or other reproductive effects.

Canada: WHMIS: Non-WHMIS
All intentional ingredients are listed in the DSL or have been notified pursuant to NSN regulations.

Hazardous Components Quaternary ammonium compounds, di-C₁₂₋₁₈-alkyldimethyl, chlorides

Which must be listed on the label: EINECS: 269-924-1

R-pharse(s): 34 Causes burns
S-pharse(s): 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
 28 After contact with skin, wash immediately with plenty of water.
 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other Regulations: Special local regulations must be adhered to when using products containing irritating or corrosive substances.

SECTION 16. OTHER INFORMATION

HMIS:

Fire 1
Health 3
Reactivity 0
Protection 0

History:

Original Issue: October 27, 1996
Revision 1: June 5, 2009
Revision 2: April 30, 2010

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