

Crown Royale Ltd.

P.O. Box 5238

Phillipsburg, NJ 08865

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Material Safety Data Sheet

Section 1 Company and Product Identification

Issued by: Crown Royale Ltd.
99 N. Broad Street
Phillipsburg, NJ 08865
Tel# 908-859-1999

Product Name: Condition Plus

Case No: N/A-Mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration [%]
Methane, chloro-	74-87-3	< 0.03
1-Propanaminium, N,N,N-trimethyl-3-[(1-oxohexadecyl)amino]-, chloride	51277-96-4	55 - 65
1,2-propanediol	57-55-6	35 - 45

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form : Liquid-Paste
Colour : White to Yellowish
Odour : Characteristic
Water solubility : Not measured

pH : 8 - 9.5

Potential health effects

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- Immediate concerns : WARNING! Causes severe eye irritation. Avoid contact with skin, eyes and clothing. Wear chemical splash goggles when handling this product. Wash thoroughly after handling.
- Eyes : May cause severe irritation to the eyes.
- Skin : May cause slight irritation.
- Ingestion : Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.
- Inhalation : No harmful effects have been reported upon inhalation.
- Primary routes of entry : Eyes, Ingestion
- Target organs : Eyes, Digestive System
- Carcinogenicity : This product contains component(s) that are listed on one or more of the following lists: NTP, IARC, ACGIH, or OSHA as a carcinogen.

4. FIRST AID MEASURES

- Eyes : Immediately flush with large amounts of water for at least 15 minutes or more. Lifting upper and lower lids intermittently. See a physician or ophthalmologist and show this data sheet.
- Skin : Immediately and thoroughly, wash off with soap and water.
- Ingestion : Immediately drink two large glasses of water. Call a physician.
- Inhalation : No special measures required. Ensure supply of fresh air.
- Notes to physician**
- Symptoms : The following symptoms may occur:
- gastrointestinal complaints
- Treatment : If swallowed, flush stomach.

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General advice : Remove soiled or soaked clothing immediately

5. FIRE-FIGHTING MEASURES

- Flash point : > 220 °F
- Autoignition temperature : > 392.00 °F
- Upper Explosion limits : 12.5 %(V)
- Lower explosion limit : 2.6 %(V)
- Suitable extinguishing media : Dry chemical, water fog, alcohol foam
- Products in case of fire : Thermal decomposition products include oxides of carbon and nitrogen, methy chloride and HCl.
- Further information : Do not inhale explosion and/or combustion gases.
- Special protective equipment for fire-fighters : As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
- Hazardous decomposition products : Hazardous decomposition products:
Hydrogen chloride (HCl)
- OSHA flammable class : Combustible Liquid, Class IIIB

6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up / taking up : Small spills :
Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Control spill with adsorbant pads or booms, if necessary. Apply granular or loose sorbent to spill. When adsorbed, sweep or otherwise collect and dispose of properly.
- Large spills :
For larger spills, stop spill at source, dike area of spill to prevent from spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

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Release Notes :

US regulations require reporting spills of this material that could reach any surface waters

In case of accident or road spill notify :

Telephone:

CHEMTREC USA (800) 424-9300
CANUTEC Canada (613) 996-6666
CHEMTREC (other countries) (International code)+1-202-483-7616

7. HANDLING AND STORAGE

General Procedures Handling

Advice on safe handling : when working with the product vapors/aerosols may be evolved; therefore a local exhaust and ventilation are recommended.

Advice on protection against fire and explosion : None with proper handling and storage.

Storage

Requirements for storage areas and containers : Keep in closed or covered containers when not in use. Store in cool, dry place with adequate ventilation. Do not store near heat or open flame.

Further information : No special handling procedures required. Wear appropriate personal protective equipment when handling.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA hazardous components (29 CFR 1910.1200)

Components	CAS-No.	Base	Type	Value	Note
Methane, chloro-	74-87-3	US. ACGIH Threshold Limit Values	Skin designation:		Can be absorbed through the skin.
Methane, chloro-	74-87-3	US. ACGIH Threshold Limit Values	Short Term Exposure Limit (STEL):	100 ppm	
Methane, chloro-	74-87-3	US. ACGIH Threshold Limit Values	Time Weighted Average (TWA):	50 ppm	
Methane, chloro-	74-87-3	US. OSHA Table Z-2 (29 CFR 1910.1000)	Maximum concentration:	300 ppm	
Methane, chloro-	74-87-3	US. OSHA Table Z-2 (29 CFR 1910.1000)	Ceiling Limit Value:	200 ppm	
Methane, chloro-	74-87-3	US. OSHA Table Z-2 (29 CFR 1910.1000)	Time Weighted Average (TWA):	100 ppm	

Personal protective equipment

- General protective measures : Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin
- Hygiene measures : Remove soiled or soaked clothing immediately. Avoid contact with eyes and skin. Do not eat, drink or smoke while working. Wash hands thoroughly before breaks and after every working shift.
- Respiratory protection : Respiratory protection is not required.
- Hand protection : Wear chemical resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.

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| Eye protection | : Use chemical resistant goggles. |
| Protective clothing | : light protective clothing
a protective ointment is recommended. |
| Engineering controls | : Good general (mechanical) ventilation should be sufficient to control airborne levels. |

9. PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|---------------------------|---|
| Form | : Liquid-Paste |
| Colour | : White to Yellowish |
| Odour | : Characteristic |
| State of aggregation | : Liquid |
| Melting point | : approx. 86 °F |
| Boiling point | : 370 °F |
| Vapour pressure | : Not Measured |
| Density | : 0.96 g/cm ³ |
| Weight per volume | : 8.03 Lb/Gal |
| Water solubility | : Not measured |
| pH | : 8 - 9.5
at 50 g/l |
| Viscosity, dynamic | : not measured |
| Evaporation rate | : > 1
Ethyl Ether = 1 |
| Volatile organic compound | : percentage volatile: 35 - 45 % |
| Further information | : Values given to flash point and explosion limits refer to the used solvent component. |

10. STABILITY AND REACTIVITY

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Thermal decomposition : Not measured
Hazardous reactions : No hazardous reactions with proper storage and handling.
Hazardous polymerisation : No
Stability : Yes
Hazardous decomposition products : Hazardous decomposition products:
Hydrogen chloride (HCl)
Materials to avoid : Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 Species: rat
Dose: > 2,000 mg/kg

Skin irritation : Primary Irritation Index (PII) = 0.2
This material is slightly irritating to the skin.

Eye irritation : Species: rabbit eye
Non-washed eye - maximum average irritation score =
45.8@72 hours.
Severely Irritating

Species: rabbit eye
Washed eyes - Maximum average score = 21.0 @ 1 hour.
Severely Irritating

Sensitization : Classification: Did not cause sensitization on laboratory
animals.
non-sensitizing

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biological degradability : not readily degradable
Method: OECD 301 B

Further ecological information

Ecological notes : Do not allow to enter soil, waterways or waste water canal.

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13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

Product disposal and disposal requirements : Incinerate in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and permitted facilities is recommended.

Contaminated packaging : If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. TRANSPORT INFORMATION

Sea transport

IMDG:

Not regulated

Air transport

ICAO/IATA:

Not regulated

DOT (Department of Transportation)

CFR Road:

Not regulated

CFR Rail:

Not regulated

CANADA Transport of Dangerous goods

TDG Road:

Not regulated

TDG Rail:

Not regulated

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15. REGULATORY INFORMATION

United States

SARA Section 311/312 : Fire: No
 Pressure generating: No
 Reactivity: No
 Acute: Yes
 Chronic: No

SARA Sections : SECTION 313
 Notification : Yes

Components	CAS-No.
Methane, chloro-	74-87-3

Notification Status : TSCA
 Notification : Yes
 All intentional ingredients are listed in the TSCA Inventory or comply with TSCA Polymer Exemption criteria per 40 CFR 723.

State regulations : MASS. RIGHT TO KNOW
 Notification : Yes

RHODE ISLAND RTK
 Notification : Yes

NEW JERSEY RTK
 Notification : Yes

PENNSYLVANIA RTK
 Notification : Yes

California Proposition 65 Statement : Notification : Yes
 This product contains a chemical known to the state of California to cause cancer, birth defects, or other reproductive effects.

Components	CAS-No.
Methane, chloro-	74-87-3

CERCLA : CAS 74-87-3 : 100 lb

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Canada

: WHMIS CLASSIFICATION
Class D, Division 2, Subdivision B

This product contains component(s) that are listed on the WHMIS Ingredient Disclosure List.

Components	CAS-No.
Methane, chloro-	74-87-3
1,2-propanediol	57-55-6

Notification Status

: Canadian Environmental Protection Act
DSL
Notification : Yes
All intentional ingredients are listed on the DSL (Domestic Substance List) or have been notified pursuant to the NSN regulations.

CTFA

: CTFA regulation: All components of this product are INCI (CTFA) registered.

16. OTHER INFORMATION

HMIS Codes

: Fire : 1
Health : 3
Physical Hazard : 0
Protection : X

Manufacturer disclaimer

: While the information and recommendations contained herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon

END OF MSDS