

# SAFETY DATA SHEET

## Red Alert

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identification**

Product Name: Red Alert  
Product Number: C121-QT  
CAS Number: Blend

**Company Identification**

Chem-Dry New Zealand LTD  
108 Kelfield Place  
Hastings, New Zealand  
0800 24 36 37 Chem-Dry New Zealand LTD (For product information)

HRI

### 2. HAZARDS IDENTIFICATION

**GHS Classification:**

Flammable Liquids - Category 1  
Skin Corrosion/Irritation - Category 1B  
Serious Eye Damage/Eye Irritation - Category 1  
Specific Target Organ - Single Exposure - Category 3

**GHS Hazard Symbols:**

Flammable, Corrosive, Irritant



**SIGNAL WORD:**

Danger.

**GHS Hazard Statements:**

H314 - Causes severe skin burns and eye damage.  
H335 - May cause respiratory irritation.  
H224 - Extremely flammable liquid and vapor.  
H318 - Causes serious eye damage.

**GHS Precautionary Statements:**

P102 - Keep out of reach of children.  
P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P233 - Keep container tightly closed.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.



P301/330/331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303/361/353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304/340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305/351/338 - 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 or doctor/physician if you feel unwell.  
P370/378 - In case of fire: Use carbon dioxide, alcohol resistant foam for extinction.  
P403/235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container to comply with local, regional, national, and international regulations..  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P271 - Use only outdoors or in a well-ventilated area.

**CARCINOGENICITY INFORMATION:**

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, OSHA, or NTP as a carcinogen.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
AMMONIUM BISULFITE	10.0 - 30.0 %	10192-30-0
AMMONIUM HYDROXIDE	1.0 - 5.0 %	1336-21-6
N-PROPYL ALCOHOL	5.0 - 10.0 %	71-23-8

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN CONTACT FIRST AID:**

Flush area with water while removing contaminated clothing and shoes. Follow by washing with soap and water. If irritation persists, get medical attention.

**INHALATION FIRST AID:**

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if cough or other symptoms develop.

**INGESTION FIRST AID:**

If swallowed, DO NOT induce vomiting. If swallowed, immediately give 2 glasses of water. Get medical attention immediately.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES:**

Product will not sustain burning (ASTM D4206-96).

**EXTINGUISHING MEDIA:**

Use dry chemical, carbon dioxide, alcohol resistant foam and/or water spray. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire.



## 6. ACCIDENTAL RELEASE MEASURES

### SAFEGUARDS (PERSONNEL):

Wear safety goggles. Avoid breathing vapor.

### INITIAL CONTAINMENT:

Absorb spills with inert material (e.g., dry sand or earth) then place into a chemical waste container.

### LARGE SPILLS PROCEDURE:

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

### SMALL SPILLS PROCEDURE:

Absorb spills with inert material.

## 7. HANDLING AND STORAGE

### RECOMMENDED STORAGE TEMPERATURE

Minimum: 4.4 C (39.9 F)

Maximum: 32.2 C (90.0 F)

### HANDLING (PERSONNEL):

Avoid breathing (vapor, mist). Avoid prolonged contact with skin or eyes.

### HANDLING (PHYSICAL ASPECTS):

Avoid extreme temperatures.

### STORAGE PRECAUTIONS:

Store in a well ventilated place. Avoid extreme temperatures. Keep away from heat and flame. Store in a tightly closed container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses.

### SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination. Wash hands thoroughly after handling.

### RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required.

### EXPOSURE GUIDELINES:

#### N-PROPYL ALCOHOL

OSHA PEL: 200 ppm, 500 mg/m<sup>3</sup>

OSHA TWA: 200 ppm, 500 mg/m<sup>3</sup>

OSHA STEL: 250 ppm

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Clear Liquid
COLOR:	Colorless
ODOR:	Ammonia and alcohol



BOILING POINT: 65 C  
SOLUBILITY IN WATER: soluble  
SPECIFIC GRAVITY: 1.02 (Water = 1)  
PH: 8.0 - 8.5

**FLAMMABLE PROPERTIES**

PMCC Flash Point: 33.9 C (93.0 F)  
Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A  
UEL: N/A

## 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable.

**POLYMERIZATION:**

Hazardous polymerization will not occur.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Strong oxidizing agents and acids.

**DECOMPOSITION:**

Decomposition may produce fumes of ammonia and sulfur dioxide.

**CONDITIONS TO AVOID:**

High temperatures, sparks and flames.

## 11. TOXICOLOGICAL INFORMATION

**Ammonium bisulfite**

Test Code: LC50  
Description: Inhalation  
Species: Rat  
Results: 2550 ppm - 1 hr (Sulfur dioxide)

Test Code: Standard Draize (eye)  
Species: Rabbit  
Results: 250 ug; severe

**AMMONIUM HYDROXIDE**

Test Code: Oral LD50  
Species: Rat  
Results: 350 mg/kg

Test Code: Inhalation LC50  
Species: Rat  
Results: 11.62 mg/l/1 hr

Test Code: Inhalation LC50  
Species: Rat



Red Alert  
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Results: 2000 ppm/4H

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Test Code: Inhalation LC50  
Species: Rat  
Results: 7.6 mg/l/2 hr

**N-PROPYL ALCOHOL**

Test Code: Acute Oral Toxicity  
Species: Rat  
Results: 1870 mg/kg

**1-propanol**

Test Code: Dermal LD50  
Species: Rabbit  
Results: 4060 mg/kg

Test Code: Inhalation LC50  
Species: Mouse  
Results: 67882.3 ppm - 4 Hours

**12. ECOLOGICAL  
INFORMATION**

**AMMONIUM HYDROXIDE**

Test Code: LC50 96HR  
Species: Fish  
Results: < 1 mg/l

**N-PROPYL ALCOHOL**

Test Code: Acute Aquatic Toxicity (96 hr.)  
Description: LC50 - 96 Hr  
Species: Fish  
Results: 1 to 10 mg/L

**AMMONIA**

Test Code: EC50  
Species: Daphnia magna  
Results: <1 mg/L 48-hour

**13. DISPOSAL  
CONSIDERATIONS**

**WASTE DISPOSAL:**

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

**14. TRANSPORT  
INFORMATION**

PRODUCT LABEL:	Red Alert
D.O.T. SHIPPING NAME:	Consumer commodity
D.O.T. HAZARD CLASS:	ORM-D
ID NUMBER:	ID8000
D.O.T. LABEL:	Consumer Commodity/ ORM-D

**MISCELLANEOUS:**



Red Alert  
RTN Number:

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IATA Shipping Classification: UN2920, Corrosive liquid, flammable, n.o.s ( Ammonia, N-Propyl Alcohol), 8 (3), II.  
Packing Instructions Y840, Limited Quantity 0.5 L.

IMO/IMDG Shipping Classification: UN2920, Corrosive liquid, flammable, n.o.s ( Ammonia, N-Propyl Alcohol), 8 (3), II.



Limited Quantity 1.0 L.

## 15. REGULATORY INFORMATION

### REGULATORY LISTS SEARCHED:

01 = SARA TITLE III SECTION 302

03 = RCRA HAZARDOUS WASTE CODES

05 = CLEAN AIR ACT

07 = FLORIDA RIGHT-TO-KNOW

02 = SARA Title III Section 313

04 = CERCLA Hazardous Substances

06 = California Prop. 65

### EEC Symbols and Indications of Danger:

None

### R-Phrases:

R41 - Risk of serious damage to eyes.

R22 - Harmful if swallowed.

R11 - Highly flammable.

R36/37/38 - Irritating to eyes, respiratory system, and skin.

### S-Phrases:

S16 - Keep away from sources of ignition. No smoking.

S29 - Do not empty into drains.

S33 - Take precautionary measures against static discharges.

S23.1 - Do not breathe gas/fumes/vapor.

S24 - Avoid contact with skin.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 - Wear suitable gloves and eye/face protection.

S1/2 - Keep locked up and out of the reach of children.

S15 - Keep away from heat.

S16 - Keep away from sources of ignition. No smoking.

### WHMIS Hazard Symbols:

Class B - Flammable and Combustible Material, Class E - Corrosive Material



### Canadian Disclosure List

Ammonium bisulfite (10192-30-0)

AMMONIUM HYDROXIDE (1336-21-6)

N-PROPYL ALCOHOL (71-23-8)

### CERCLA Hazardous Substances

Red Alert (BLEND) -- n/a

Ammonium bisulfite (10192-30-0) -- RQ 5000 lb

AMMONIUM HYDROXIDE (1336-21-6) -- RQ 1000 lb

### MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

## 16. OTHER INFORMATION





PREPARED BY: Sterling Nesbit  
APPROVED BY: Sterling Nesbit  
TITLE: Chemist  
APPROVAL DATE: March 19, 2019  
SUPERCEDES DATE: May 12, 2017  
RTN NUMBER: 00000062 (Official Copy)

**NFPA Rating:**

Health - 1  
Flammability - 2  
Reactivity - 0

