

SAFETY DATA SHEET

Brown Out Remover

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Brown Out Remover
Product Number: C060-G
CAS Number: Blend

Company Identification

Chem-Dry NZ Ltd
108 Kelfield Place,
Hastings NZ
0800 24 36 37 (For product information)

HRI

2. HAZARDS IDENTIFICATION

SIGNAL WORD:

Warning.

GHS Hazard Symbols:

Irritant



GHS Hazard Statements:

H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.

EYE:

Contact with eyes may cause severe irritation and possible eye burns.

SKIN:

Contact with skin causes irritation and possible burns, especially if skin is wet or moist.

INHALATION:

May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, and shortness of breath.

INGESTION:

May cause severe gastrointestinal tract irritation with nausea, vomiting, and possible burns.



CHRONIC EFFECTS:

Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
SULFAMIC ACID	40.0 - 70.0 %	5329-14-6
SODIUM SULFATE	30.0 - 60.0 %	7757-82-6

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Contact a physician.

SKIN CONTACT FIRST AID:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing. Get medical aid if irritation develops or persists.

INHALATION FIRST AID:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.

INGESTION FIRST AID:

If swallowed, do NOT induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cupfuls of water and seek medical advice.

5. FIRE FIGHTING MEASURES

NOTES TO PHYSICIAN:

Treat symptomatically.

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: %

UEL: %

FLAMMABLE PROPERTIES:

Substance is not flammable.

EXTINGUISHING MEDIA:

Use extinguishing media most appropriate for the surrounding fire.

FIRE FIGHTING INSTRUCTIONS:

Evacuate non-emergency personnel to a safe area. Water runoff can cause environmental damage.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

If excessive dust is created, wear dust mask or respirator to keep exposure below the Permissible Exposure Level for



particulate matter. Wear appropriate personal protective equipment.

INITIAL CONTAINMENT:

Sweep up, then place into a suitable container for disposal. Do not allow material to enter soil or surface water.

LARGE SPILLS PROCEDURE:

Vacuum or sweep up material and place in a disposal container.

Avoid runoff into storm sewers and ditches which lead to waterways. Do not flush to sewer.

SMALL SPILLS PROCEDURE:

Secure the spill area. Sweep up, then place into a suitable container for disposal.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Wash thoroughly after handling. Use only in a well-ventilated area. Do not get on skin or in eyes. Do not ingest or inhale.

HANDLING (PHYSICAL ASPECTS):

Keep out of reach of children. Secure container after each use.

STORAGE PRECAUTIONS:

Keep container tightly closed. Keep dry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use only with adequate ventilation.

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses with side shields (or goggles).

When splashing of the material may occur, chemical goggles and a face shield are recommended.

SKIN PROTECTION REQUIREMENTS:

Wear appropriate gloves to prevent skin exposure. Wash hands thoroughly after handling.

RESPIRATORY PROTECTION REQUIREMENTS:

Always use a NIOSH-approved respirator when necessary.

Provide adequate exhaust ventilation suitable to keep airborne particulate at a minimum.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Solid powder
COLOR:	White
ODOR:	No odor
SOLUBILITY IN WATER:	Complete
MELTING/FREEZING POINT:	392 F



PH: 1.5 (3% aqueous solution)

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Has not been reported.

INCOMPATIBILITY WITH OTHER MATERIALS:

Hypochlorous acid, hypochlorites, cyanides, and sulfides. A violent or explosive reaction occurs with chlorine; metal nitrates + heat; metal nitrites + heat, and fuming nitric acid. Strong oxidizers, magnesium. Reacts explosively with aluminum.

DECOMPOSITION:

Nitrogen oxides, oxides or sulfur, ammonia and/or derivatives.

CONDITIONS TO AVOID:

Incompatible materials, excess heat.

11. TOXICOLOGICAL INFORMATION

No information available.

12. ECOLOGICAL INFORMATION

Sulfamic Acid

Test Code: Ocular Irritation
Description: Standard Draize
Species: Rabbit
Results: 250 ug/24H severe

Test Code: Oral LD50
Species: Rat
Results: 3160 mg/kg

Test Code: Oral LD50
Species: Mouse
Results: 1312 mg/kg

Sodium Sulfate

Test Code: Oral LD50
Species: Mouse
Results: 5989 mg/kg

13. DISPOSAL CONSIDERATIONS

Sulfamic Acid

Test Code: TLm 96H
Results: 96.5 ppm



Sodium Sulfate

Test Code: LC50 96HR
Species: Water flea
Results: 100-1000 mg/l

Test Code: LC50 96HR
Species: Fathead minnow
Results: >10000 mg/l

WASTE DISPOSAL:

Material can be cautiously mixed with cold water and agitated with baking soda to neutralize it. After neutralization, small amounts of waste can be discharged with a large excess of water. Follow federal, state, and local regulations.

14. TRANSPORT INFORMATION

PRODUCT LABEL:	Brown Out Remover
D.O.T. SHIPPING NAME:	Consumer commodity
D.O.T. HAZARD CLASS:	ORM-D

15. REGULATORY INFORMATION

MISCELLANEOUS:

See 49CFR173.154(c).

IATA Shipping Classification:

Sulphamic acid mixture, 8, UN2967, III.

IMO/IMDG Shipping Classification:

SULPHAMIC ACID MIXTURE, 8, UN2967, III.

REGULATORY LISTS SEARCHED:

- | | |
|---------------------------------|----------------------------------|
| 01 = SARA TITLE III SECTION 302 | 02 = SARA Title III Section 313 |
| 03 = RCRA HAZARDOUS WASTE CODES | 04 = CERCLA Hazardous Substances |
| 05 = CLEAN AIR ACT | 06 = California Prop. 65 |
| 07 = FLORIDA RIGHT-TO-KNOW | 08 = Massachusetts Right-to-Know |
| 09 = NEW JERSEY RIGHT-TO-KNOW | 10 = Pennsylvania Right-to-Know |

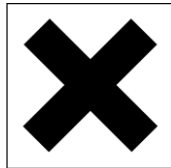
GHS Precautionary Statements:

- P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P302/352 - IF ON SKIN: Wash with plenty of soap and water.
- P305/351/338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332/313 - If skin irritation occurs: Get medical advice/attention.
- P337/313 - If eye irritation persists: Get medical advice/attention.
- P362 - Take off contaminated clothing and wash before reuse.
- P501 - Dispose of contents/container to in accordance with local, regional, national, and international regulations.

EEC Symbols and Indications of Danger:

Irritant (Xi)





R-Phrases:

R36/38 - Irritating to eyes and skin.
R52/53 - Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.
R34 - Causes burns.

S-Phrases:

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 - Wear suitable gloves.
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.
S24/25 - Avoid contact with skin and eyes.

WHMIS Hazard Symbols:

None

Canadian Disclosure List

Sulfamic Acid (5329-14-6)

SARA Title III - Section 313

Brown Out Remover (BLEND) --

CERCLA Hazardous Substances

Brown Out Remover (BLEND) --

16. OTHER INFORMATION

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).

PREPARED BY:	Sterling Nesbit
APPROVED BY:	Sterling Nesbit
TITLE:	Chemist
APPROVAL DATE:	September 4, 2018
SUPERCEDES DATE:	September 4, 2018
RTN NUMBER:	00000046 (Official Copy)

ADDITIONAL INFORMATION:

Sulfamic acid is found on the following State Lists: Massachusetts and Pennsylvania.

