

1. Identification

Product identifier used on the label

3384000 BCR Plus (BULK)

Recommended use of the chemical and restriction on use

Recommended use*: Detergents

Unsuitable for use: Uses other than recommended

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

Romanoff International Supply Corp.
9 Deforest Street, Amityville NY, 11701, USA

Telephone: +1 631-842-2400

Emergency telephone number

24 Hour Emergency Response Information

CHEMTEL: 1-800-424-9300

CHEMTEL ACCOUNT: #MIS4594445
(COLLECT CALLS ACCEPTED)

Other means of identification

Substance number: 862715

Chemical family: organic, aqueous solution

USA, CANADA, PUERTO RICO & US VIRGIN ISLANDS: 1-800-255-3924
AUSTRALIA: 1-300-954-583
BRAZIL: 0-800-591-6042 **CHINA:** 400-120-0751 **INDIA:** 000-800-100-4086
MEXICO: 800-099-0731
ALL OTHER COUNTRIES: 1-813-248-0585

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

| | | |
|-------------------|------------------|--|
| Skin Corr./Irrit. | 1 | Skin corrosion/irritation |
| Eye Dam./Irrit. | 1 | Serious eye damage/eye irritation |
| Carc. | 2 | Carcinogenicity |
| Repr. | 2 (fertility) | Reproductive toxicity |
| Repr. | 2 (unborn child) | Reproductive toxicity |
| STOT RE | 2 | Specific target organ toxicity — repeated exposure |
| Aquatic Acute | 3 | Hazardous to the aquatic environment - acute |

Label elements

Pictogram:



Signal Word: Danger

Hazard Statement:

| | |
|------|--|
| H373 | May cause damage to organs (liver, kidney) through prolonged or repeated exposure. |
| H314 | Causes severe skin burns and eye damage. |
| H351 | Suspected of causing cancer. |
| H361 | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H402 | Harmful to aquatic life. |

Precautionary Statements (Prevention):

| | |
|------|--|
| P201 | Obtain special instructions before use. |
| P280 | Wear protective gloves, protective clothing and eye protection or face protection. |
| P273 | Avoid release to the environment. |
| P260 | Do not breathe dust or mist. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P264 | Wash contaminated body parts thoroughly after handling. |

Precautionary Statements (Response):

| | |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER or physician. |
| P314 | Get medical advice/attention if you feel unwell. |
| P308 + P313 | IF exposed or concerned: Get medical attention. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P363 | Wash contaminated clothing before reuse. |
| P301 + P330 + P331 | IF SWALLOWED: rinse mouth. Do NOT induce vomiting. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower. |

Precautionary Statements (Storage):

| | |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

Precautionary Statements (Disposal):

| | |
|------|---|
| P501 | Dispose of contents and container to hazardous or special waste collection point. |
|------|---|

Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

2,2'-iminodiethanol

CAS Number: 111-42-2

Content (W/W): $\geq 0.3 - < 1.0\%$ Synonym: Diethanolamine

2-aminoethanol

CAS Number: 141-43-5

Content (W/W): $\geq 7.0 - < 10.0\%$ Synonym: Ethanolamine

disodium hydrogen orthophosphate

CAS Number: 7558-79-4 Content (W/W): $\geq 1.0 - < 3.0\%$

Synonym: Disodium hydrogenorthophosphate

Amides, coco, N,N-bis(hydroxyethyl)

CAS Number: 68603-42-9 Content (W/W): $\geq 1.0 - < 3.0\%$

Synonym: No data available.

4. First-Aid Measures

Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

If on skin:

Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Immediate medical attention required.

If in eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

If swallowed:

Summon medical aid without delay. Do not induce vomiting due to aspiration hazard. Rinse mouth immediately with water. Keep at rest.

Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Information on: 2-aminoethanol

Symptoms: Overexposure may cause: corneal injury, skin corrosion, severe pain, coughing, respiratory disorders, dyspnea, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

Hazards: irritation of respiratory tract skin corrosion May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Indication of any immediate medical attention and special treatment needed

Note to physician

Antidote: No known specific antidote.
Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons: water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
carbon oxides, nitrogen oxides, phosphorus oxides

Advice for fire-fighters

Protective equipment for fire-fighting:
Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid breathing vapours. Keep away from sources of ignition. Ensure adequate ventilation. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

7. Handling and Storage

Precautions for safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep container tightly closed in a cool, well-ventilated place. Avoid direct sunlight. Protect from frost.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

| | | |
|---------------------|-----------|--|
| 2,2'-iminodiethanol | OSHA PEL | TWA value 3 ppm 15 mg/m3 ; |
| | ACGIH TLV | TWA value 1 mg/m3 Inhalable fraction and vapor ; Skin Designation Inhalable fraction and vapor ; Danger of cutaneous absorption Skin Designation Inhalable fraction and vapor; Danger of cutaneous absorption |
| 2-aminoethanol | OSHA PEL | PEL 3 ppm 6 mg/m3 ; |
| | ACGIH TLV | STEL value 6 ppm ; TWA value 3 ppm ; |

Advice on system design:

Use only in well-ventilated areas.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Hand protection:

Chemical resistant protective gloves (EN 374), chloroprene rubber (Neoprene), Further information on penetration time is available from the manufacturer of the glove., The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

9. Physical and Chemical Properties

| | |
|---|--------------------------------------|
| Form: | liquid |
| Odour: | No data available. |
| Odour threshold: | No applicable information available. |
| Colour: | dark red |
| pH value: | 10.0 - 11.0 (40 g/l) |
| Melting point: | -3 °C |
| Freezing point: | not determined |
| onset of boiling: | not determined |
| Boiling range: | not determined |
| Sublimation point: | No applicable information available. |
| Flash point: | not applicable |
| Flammability: | not applicable |
| Lower explosion limit: | not determined |
| Upper explosion limit: | not applicable |
| Autoignition: | not determined |
| Vapour pressure: | (20 °C) not determined |
| Density: | 1.019 g/cm ³ (20 °C) |
| Relative density: | No applicable information available. |
| Vapour density: | No applicable information available. |
| Partitioning coefficient n-octanol/water (log Pow): | No applicable information available. |

| | |
|----------------------------|--------------------------------------|
| Thermal decomposition: | No applicable information available. |
| Viscosity, dynamic: | No applicable information available. |
| Solubility in water: | fully soluble |
| Miscibility with water: | miscible |
| Solubility (quantitative): | No applicable information available. |
| Solubility (qualitative): | No applicable information available. |
| Molar mass: | No applicable information available. |
| Evaporation rate: | No applicable information available. |

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties: not fire-propagating

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Conditions to avoid

Avoid direct sunlight.

Incompatible materials

acids, nitrosating agents

Hazardous decomposition products

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No applicable information available.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Irritation / corrosion

Assessment of irritating effects: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. May cause liver and kidney damage.

Carcinogenicity

Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Indication of possible carcinogenic effect in animal tests.

Reproductive toxicity

Assessment of reproduction toxicity: Contains a suspected reproductive toxin. The product has not been tested. The statement has been derived from the properties of the individual components.

Teratogenicity

Assessment of teratogenicity: Contains a suspect teratogen. The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

No data available concerning biodegradation and elimination.

Bioaccumulative potential

Bioaccumulation potential No data available.

Mobility in soil

Assessment transport between environmental compartments No data available.

13. Disposal considerations

Waste disposal of substance:

Observe national and local legal requirements.

Container disposal:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport

USDOT

Hazard class: 8
Packing group: III
ID number: UN 1760
Hazard label: 8
Proper shipping name: CORROSIVE LIQUID, N.O.S. (contains 2-AMINOETHANOL/ETHANOLAMINE)

Sea transport

IMDG

Hazard class: 8
Packing group: III
ID number: UN 1760
Hazard label: 8
Marine pollutant: NO
Proper shipping name: CORROSIVE LIQUID, N.O.S. (contains 2-AMINOETHANOL/ETHANOLAMINE)

Air transport

IATA/ICAO

Hazard class: 8
Packing group: III
ID number: UN 1760
Hazard label: 8
Proper shipping name: CORROSIVE LIQUID, N.O.S. (contains 2-AMINOETHANOL/ETHANOLAMINE)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed 40CFR 721.10765

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

WARNING: This product can expose you to chemicals including ETHYLENE OXIDE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:

Health: 3 Fire: 1 Reactivity: 1 Special:

HMIS III rating

Health: 3³ Flammability: 1 Physical hazard: 1

16. Other Information

SDS Prepared by:

BASF NA Product Regulations SDS Prepared on: 2020/09/09

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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