

Safety Data Sheet BCR Plus

1. Identification

Product identifier used on the label

BCR Plus

Recommended use of the chemical and restriction on use

Recommended use*: Detergents

Unsuitable for use: None known

*!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

Paul H. Gesswein & Co., Inc.
201 Hancock Ave., Bridgeport, CT 06605
Phone: 203-366-5400, FAX: 203-366-3953
email: info@gesswein.com, www.gesswein.com

Emergency phone number: CHEMTELL - 800-255-3924

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
Aquatic Acute	3	Hazardous to the aquatic environment - acute

Label elements

Pictogram:



Signal Word:
Danger

Hazard Statement:
H314 Causes severe skin burns and eye damage.
H402 Harmful to aquatic life.

Precautionary Statements (Prevention):
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash with plenty of water and soap thoroughly after handling.
P260 Do not breathe dust or mist.
P273 Avoid release to the environment.

Precautionary Statements (Response):

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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 doctor/physician.
P363	Wash contaminated clothing before reuse.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary Statements (Storage):

P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/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

CAS Number	Weight %	Chemical name
141-43-5	>= 7.0 - < 10.0%	2-aminoethanol
7558-79-4	>= 1.0 - < 3.0%	disodium hydrogen orthophosphate

4. First-Aid Measures

Description of first aid measures

General advice:

First aid personnel should pay attention to their own safety. Remove affected person from danger area. Immediately remove contaminated clothing. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice.

If on skin:

Wash affected areas thoroughly with soap and water. Immediate medical attention required.

If in eyes:

Rinse immediately with plenty of water, also under the eyelids, for at least 30 minutes. Immediate medical attention required.

If swallowed:

Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting. Summon medical aid without delay.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: 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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

carbon dioxide, dry powder, alcohol-resistant foam, 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 endangered containers with water-spray.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Inform authorities in the event of product spillage to water courses or sewage systems.

Methods and material for containment and cleaning up

Neutralisation with diluted mineral acid in controlled conditions Pick up with inert absorbent material (e.g. sand, earth etc.). Pack in tightly closed containers for disposal. Rinse with plenty of water.

7. Handling and Storage

Precautions for safe handling

Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). 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. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

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-aminoethanol	OSHA PEL	PEL 3 ppm 6 mg/m ³ ;
	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:

Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	liquid
Odour:	mild
Colour:	dark red
pH value:	10.0 - 11.0 (40 g/l, 20 °C)
Melting point:	-3 °C
onset of boiling:	not determined
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)
Solubility in water:	fully soluble
Miscibility with water:	miscible

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 if stored and handled as prescribed/indicated.

Conditions to avoid

Avoid freezing. Avoid heat.

Incompatible materials

acids, nitrosating agents

Hazardous decomposition products

Decomposition products:

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

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

Acute toxicity

Assessment of acute toxicity: Based on available Data, the classification criteria are not met.

Irritation / corrosion

Assessment of irritating effects: Corrosive! Damages skin and eyes. May cause severe damage to! the eyes.

Sensitization

Assessment of sensitization: Based on available Data, the classification criteria are not met.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Based on available Data, the classification criteria are not! met.

Genetic toxicity

Assessment of mutagenicity: Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity: Based on available Data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity: Based on available Data, the classification criteria are not met.

Teratogenicity

Assessment of teratogenicity: Based on available Data, the classification criteria are not met.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

12. Ecological Information

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Biological degradability of hazardous substances mentioned in section 3:

Elimination information

Information on: 2-aminoethanol

> 90 % DOC reduction (21 d) (OECD 301 A (new version)) (aerobic, activated sludge, domestic)

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.

CERCLA RQ

5000 LBS

CAS Number

7558-79-4

Chemical name

disodium hydrogen orthophosphate

State regulations**State RTK**

NJ

CAS Number

141-43-5

Chemical name

2-aminoethanol

PA

141-43-5

2-aminoethanol

7558-79-4

disodium hydrogen orthophosphate

NFPA Hazard codes:

Health: 3 Fire: 0 Reactivity: 0 Special:

HMIS III rating

Health: 3 Flammability: 0 Physical hazard: 0

16. Other Information

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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