

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.24.2018

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AP120 Metal Prep Concentrate

SECTION 1: Identification

Product identifier

Product name: AP120 Metal Prep Concentrate

Product code: 40020CNC



Recommended use of the product and restriction on use

Relevant identified uses: Metal Prep

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

P.O.R. Products

38 Portman Road

New Rochelle, NY 10801

914-636-0700

Emergency telephone number:

Australia

ChemTel Inc.

+1 813 248 0585

SECTION 2: Hazard(s) identification

GHS classification:

Serious eye damage, category 1

Skin corrosion, category 1A

Carcinogenicity, category 2

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H318 Causes serious eye damage.

H314 Causes severe skin burns and eye damage.

H351 Suspected of causing cancer.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

P310 Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

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present and easy to do. Continue rinsing.

P321 Specific treatment (see first aid instructions on this label).

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/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+P313 If exposed or concerned: Get medical advice/attention

P405 Store locked up.

P501 Dispose of contents/container according to local regulations.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 111-76-2	2-Butoxyethanol	2-5
CAS number: 6834-92-0	Disodium metasilicate	2-4
CAS number: 1310-73-2	Sodium hydroxide	<3
CAS number: 139-89-9	Hydroxyethylethylenediaminetriacetic acid, trisodium salt	15-30
CAS number: 5064-31-3	Trisodium nitrilotriacetate	<3

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

Take precautions to ensure your own safety

Remove source of exposure or move person to fresh air and keep comfortable for breathing

Immediately call a POISON CONTROL CENTER or seek medical attention

If breathing has stopped, trained personnel should begin rescue breathing

Avoid mouth-to-mouth contact by using a barrier device

If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

After skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

Avoid direct contact and wear chemical protective clothing, if necessary

Immediately take off all contaminated clothing

Gently blot or brush away excess product

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Rinse skin with lukewarm, gently flowing water until medical aid is available
Immediately call a POISON CONTROL CENTER or seek medical attention
Wash contaminated clothing before re-use or discard

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention
Avoid direct contact and wear chemical protective gloves, if necessary
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
Remove contact lenses, if present and easy to do so
Continue rinsing until medical aid is available
Immediately call a POISON CONTROL CENTER or seek medical attention

After swallowing:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists
Immediately call a POISON CONTROL CENTER or seek medical attention
Do not induce vomiting and rinse mouth
If vomiting occurs naturally, lie on your side, in the recovery position
If breathing has stopped, trained personnel should begin rescue breathing
Avoid mouth-to-mouth contact by using a barrier device
If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Not determined or not applicable.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

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Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing

Environmental precautions:

Should not be released into the environment
Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing
Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)
Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	2-Butoxyethanol	111-76-2	ACGIH TLV TWA: 20 ppm
	Sodium hydroxide	1310-73-2	ACGIH TLV C 2.0 mg/m ³
United States (OSHA)	2-Butoxyethanol	111-76-2	OSHA PEL TWA 50 ppm (240 mg/m ³)
	Sodium hydroxide	1310-73-2	OSHA PEL TWA 2.0 mg/m ³
NIOSH	Sodium hydroxide	1310-73-2	NIOSH REL C 2.0 mg/m ³
	2-Butoxyethanol	111-76-2	NIOSH REL TWA 5 ppm (24 mg/m ³)
	Sodium hydroxide	1310-73-2	NIOSH IDLH 10.0 mg/m ³
Australia	2-Butoxyethanol	111-76-2	TWA: 96.9 mg/m ³ (20 ppm); STEL: 242 mg/m ³ (50 ppm)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

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Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Clear Liquid
Odor	Very Mild
Odor threshold	Not determined or not available.
pH	13.9
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	No Flash Point
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	1.14 g/mL
Relative density	Not determined or not available.
Solubilities	Miscible in water.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

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VOC Content	39.6 g/L (Theoretical method)
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SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
2-Butoxyethanol	oral	LD50 - Rat - 470 mg/kg
	dermal	LD50 - Rabbit - 220 mg/kg
	inhalation	LC50 - Rat - 450 ppm - 4H
Hydroxyethylethylenediamine-triacetic acid, trisodium salt	oral	LD50 Rat: 1,780 mg/kg
Trisodium nitrilotriacetate	oral	LD50 Rat: 1,470 mg/kg

Skin corrosion/irritation

Assessment: Causes severe skin burns and eye damage

Product data:

No data available.

Substance data:

Name	Result
2-Butoxyethanol	Irritating to the skin.
Sodium hydroxide	Causes severe skin burns and eye damage.
Disodium metasilicate	Causes severe skin burns.

Serious eye damage/irritation

Assessment: Causes serious eye damage

Product data:

No data available.

Substance data:

Name	Result
2-Butoxyethanol	Irritating effect on the eyes.

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Name	Result
Hydroxyethylethylenediaminetriacetic acid, trisodium salt	Corrosive effect on the eyes.
Trisodium nitrilotriacetate	Irritating to the eyes.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Suspected of causing cancer

Product data: No data available.

Substance data:

Name	Species	Result
Trisodium nitrilotriacetate		Suspected of causing cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Trisodium nitrilotriacetate	Group 2B

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Disodium metasilicate	May cause respiratory irritation through single exposure.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

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Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.


SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	3267
UN proper shipping name	Corrosive Liquid, Basic, Organic, N.O.S. (Hydroxyethylethylenediaminetriacetic acid, trisodium salt, Disodium metasilicate)
UN transport hazard class(es)	8 
Packing group	III
Environmental hazards	None
Special precautions for user	None
Passenger air/rail	5L
Cargo aircraft only	60L
Stowage category	A

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International Maritime Dangerous Goods (IMDG)

UN number	3267
UN proper shipping name	Corrosive Liquid, Basic, Organic, N.O.S. (Hydroxyethylethylenediaminetriacetic acid, trisodium salt, Disodium metasilicate)
UN transport hazard class(es)	8 
Packing group	III
Environmental hazards	None
Special precautions for user	None
EmS number	F-A, S-B
Stowage category	A
Excepted quantities	E1
Limited quantity	5L

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	3267
UN proper shipping name	Corrosive Liquid, Basic, Organic, N.O.S. (Hydroxyethylethylenediaminetriacetic acid, trisodium salt, Disodium metasilicate)
UN transport hazard class(es)	8 
Packing group	III
Environmental hazards	None
Special precautions for user	None
ERG code	8L
Excepted quantities	E1
Passenger and cargo	5L
Cargo aircraft only	60L
Limited quantity	1L

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

111-76-2	2-Butoxyethanol	Listed
139-89-9	Hydroxyethylethylenediaminetriacetic acid, trisodium salt	Listed
5064-31-3	Trisodium nitrilotriacetate	Listed
1310-73-2	Sodium hydroxide	Listed
6834-92-0	Disodium metasilicate	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

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139-89-9	Hydroxyethylethylenediaminetriacetic acid, trisodium salt	Not Listed
5064-31-3	Trisodium nitrilotriacetate	Not Listed
1310-73-2	Sodium hydroxide	Not Listed
6834-92-0	Disodium metasilicate	Not Listed

CERCLA:

1310-73-2	Sodium hydroxide	Listed	1,000
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RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

111-76-2	2-Butoxyethanol	Listed
139-89-9	Hydroxyethylethylenediaminetriacetic acid, trisodium salt	Not Listed
5064-31-3	Trisodium nitrilotriacetate	Listed
1310-73-2	Sodium hydroxide	Listed
6834-92-0	Disodium metasilicate	Not Listed

New Jersey Right to Know:

111-76-2	2-Butoxyethanol	Listed
139-89-9	Hydroxyethylethylenediaminetriacetic acid, trisodium salt	Not Listed
5064-31-3	Trisodium nitrilotriacetate	Not Listed
1310-73-2	Sodium hydroxide	Listed
6834-92-0	Disodium metasilicate	Not Listed

New York Right to Know:

111-76-2	2-Butoxyethanol	Listed
139-89-9	Hydroxyethylethylenediaminetriacetic acid, trisodium salt	Not Listed
5064-31-3	Trisodium nitrilotriacetate	Not Listed
1310-73-2	Sodium hydroxide	Listed
6834-92-0	Disodium metasilicate	Not Listed

Pennsylvania Right to Know:

111-76-2	2-Butoxyethanol	Listed
139-89-9	Hydroxyethylethylenediaminetriacetic acid, trisodium salt	Not Listed
5064-31-3	Trisodium nitrilotriacetate	Not Listed
1310-73-2	Sodium hydroxide	Listed
6834-92-0	Disodium metasilicate	Not Listed

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California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 3-0-0

HMIS: 3-0-0

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End of Safety Data Sheet