

**GLB pH UP**

Version 1.1

SDS Number: 000000024500

Revision Date: 2017.11.29

**SECTION 1. IDENTIFICATION**

Product name : GLB pH UP  
Product code : 000000024500

**Manufacturer or supplier's details**

Company : Arch Chemicals, Inc.  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA  
30004  
United States of America (USA)

E-mail address : sds@lonza.com  
Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,  
CHEMTREC WORLD-WIDE: +1-703-527-3887.

**Recommended use of the chemical and restrictions on use**

Recommended use : Water treatment chemical

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Eye irritation : Category 2A  
Acute toxicity (Inhalation) : Category 4

**GHS label elements**

Hazard pictograms :



Signal word : Warning  
Hazard statements : H319 Causes serious eye irritation.  
H332 Harmful if inhaled.

Precautionary statements : **Prevention:**  
P261 Avoid breathing vapours.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/  
face protection.  
**Response:**  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at  
rest in a position comfortable for breathing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for  
several minutes. Remove contact lenses, if present and easy to  
do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ atten-

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tion.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

Chemical name	CAS-No.	Concentration (%)
Sodium carbonate	497-19-8	99.80

**SECTION 4. FIRST AID MEASURES**

- If inhaled : IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. If not breathing, give artificial respiration. Call for medical assistance.
- In case of skin contact : IF ON SKIN: Immediately flush skin with plenty of water for 15 minutes. If clothing comes in contact with the product, the clothing should be removed immediately and laundered before re-use. Seek medical attention.
- In case of eye contact : IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.
- If swallowed : IF SWALLOWED: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during firefighting : Material will not ignite or burn.
- Further information : Use water spray to cool unopened containers. In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

Environmental precautions

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Air	:	Not applicable
Soil	:	Sweep up and shovel into suitable containers for disposal. Avoid dust generation. Do not place spill materials back in their original containers. After removal, flush contaminated area thoroughly with water.
Water	:	This material is soluble in water. Notify all downstream users of possible contamination. Divert water flow around spill if possible and safe to do so.

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**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling	:	Do not take internally. Avoid contact with skin, eyes and clothing. If in eyes or on skin, rinse well with water. Avoid breathing dust.
Conditions for safe storage	:	Store in a cool, dry and well ventilated place. Isolate from incompatible materials.
Materials to avoid	:	Refer to Section 10, "Incompatible Materials."

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Appropriate engineering controls**

**Engineering measures** : Local exhaust ventilation is recommended if significant dusting occurs. Otherwise use general exhaust ventilation.

**Personal protective equipment**

Respiratory protection : Respiratory protection not normally needed.  
If dusting occurs, wear a NIOSH approved N95 dust respirator.

Hand protection

Remarks : Impervious gloves

Eye protection : Chemical resistant goggles must be worn.

Skin and body protection : Natural Rubber  
Neoprene  
Nitrile

Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : powder

Colour : white

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Odour	: odourless
Odour Threshold	: no data available
pH	: 11.0 - 12.0, Concentration: 10 g/l(as aqueous solution)
Melting point/freezing point	: 851.1 °C
Boiling point/boiling range	: Decomposes before boiling
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Product is not known to be flammable, combustible, pyrophoric or explosive.
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: 2.5 (20 °C)
Density	: 1.04 g/cm <sup>3</sup>
Bulk density	: no data available
Solubility(ies) Water solubility	: 320 g/l (25 °C)
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: no data available
Decomposition temperature	: 400 °C
Viscosity Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available

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**SECTION 10. STABILITY AND REACTIVITY**

Possibility of hazardous reactions	: Stable under normal conditions. Product will not undergo hazardous polymerization.
Conditions to avoid	: Heat Exposure to moist air or water

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Incompatible materials	: Aluminum powder Acids
Hazardous decomposition products	: Carbon monoxide, Carbon dioxide Sodium oxides

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure	: Eyes Skin Inhalation Ingestion
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**Acute toxicity**

Acute oral toxicity (LD50)	: = 4,090 mg/kg Species: Rat
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Acute inhalation toxicity (LC50)	: = 4.6 mg/l Species: Rat Exposure time: 1 h
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Acute dermal toxicity (LD50)	: Believed to be > 2,000 mg/kg Species: Rabbit
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Acute toxicity	: Remarks: Contact with the eyes and mucous membranes causes transient irritation. Minor corneal involvement may occur if product is not rinsed immediately from the eyes. Inhalation may cause irritation. Contact with skin causes irritation.
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**Skin corrosion/irritation**

Skin irritation	: Remarks: May cause mild skin irritation.
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**Serious eye damage/eye irritation**

Eye irritation	: Remarks: Moderate eye irritant
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**Respiratory or skin sensitisation**

Sensitisation	: Remarks: This material is not known or reported to be a skin or respiratory sensitizer.
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**Carcinogenicity****IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Repeated dose toxicity**

: Remarks: Damage to lungs has been observed in laboratory animals from repeated inhalation of high concentrations (70 mg/m<sup>3</sup>). This damage is characterized by thickening of the walls of the air sacs and a low grade of pulmonary inflammation. The risk to human health is low due to the high concentration required to produce the effect.  
Repeated or prolonged skin contact with this product may cause dermatitis and blistering.

**Further information**

Remarks: no data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential****Components:****Sodium carbonate**

Partition coefficient: n-octanol/water

: Remarks: Not applicable

**Mobility in soil**

no data available

**Other adverse effects**

Ozone-Depletion Potential

: Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information

: Practically non-toxic to fish and other aquatic organisms.

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues

: If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

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As a nonhazardous solid waste it should be disposed of in accordance with local, state and federal regulations.

**SECTION 14. TRANSPORT INFORMATION****IATA** Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : no

**IMDG** Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : Marine pollutant: no

**ADR** Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : no

**RID** Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : no

**DOT** Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class** : Not applicable  
**Packing group** : Not applicable  
**Environmental hazards** : no

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<b>TDG</b>	:	Not dangerous goods
<b>UN number</b>	:	Not applicable
<b>Proper shipping name</b>	:	Not applicable
<b>Transport hazard class</b>	:	Not applicable
<b>Packing group</b>	:	Not applicable
<b>Environmental hazards</b>	:	no
<b>Special precautions for user</b>	:	none
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	:	Not applicable

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**SECTION 15. REGULATORY INFORMATION****TSCA list**

US. Toxic Substances Control Act : Listed

**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards**

See above: SECTION 2. Hazard Identification-GHS Classification

**SARA 302**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).



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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**US State Regulations****Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

Components	CAS-No.
Sodium carbonate	497-19-8

**New Jersey Right To Know**

Components	CAS-No.
Sodium carbonate	497-19-8

**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**SECTION 16. OTHER INFORMATION**

First formulated version in SAP.

Arch is a wholly-owned subsidiary of Lonza and continues to operate as Arch Chemicals, Inc.

Revision Date : 2017.11.29

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release 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 or in any process, unless specified in the text.