

**PROXEL® GXL**

Version 1.0

MSDS Number: 000000022167

Revision Date: 2015.06.01

**SECTION 1. IDENTIFICATION**

Product name : PROXEL® GXL

Product code : 000000022167

**Manufacturer or supplier's details**

Company : Arch Chemicals, Inc.

E-mail address : prodinfo@lonza.com

Emergency telephone number : +41 61 313 94 94 (24h )

For US only CHEMTREC 1-800-424-9300

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

Corrosive to metals : Category 1

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1A

Serious eye damage : Category 1

Skin sensitisation : Category 1

Specific target organ toxicity -  
single exposure : Category 3 (Respiratory system)**GHS Label element**

Hazard pictograms :



Signal word : Danger

Hazard statements : H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.Precautionary statements : **Prevention:**  
P234 Keep only in original container.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.

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

**Response:**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P406 Store in corrosive resistant stainless steel container with a resistant inner liner.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

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

Chemical nature : isothiazoline

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
Water	7732-18-5	10.00 - 15.00
Sodium hydroxide	1310-73-2	5.00 - 6.50
1,2-Benzisothiazolin-3-one	2634-33-5	18.00 - 20.00
dipropylene glycol	25265-71-8	55.00 - 70.00
1,2-Benzisothiazolin-3-one	2634-33-5	19.00
Sodium hydroxide	1310-73-2	6.00

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**SECTION 4. FIRST AID MEASURES**

General advice : Call a poison control center or doctor for treatment advice. For 24-hour emergency medical assistance, call Arch Chemical Emergency Action Network at 1-800-654-6911. Have the product container or label with you when calling a poison control center or doctor, or

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- going for treatment.
- If inhaled : IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
- In case of skin contact : IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- In case of eye contact : IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- If swallowed : IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- Notes to physician : Probable mucosal damage may contraindicate the use of gastric lavage.
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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water fog  
Foam  
Carbon dioxide  
Dry chemical
- Specific hazards during firefighting : During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
- Further information : 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.
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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to boots, impervious gloves, hard hat, splash-proof goggles, impervious clothing, i.e., chemically impermeable suit, self-contained breathing apparatus.
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**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : A sensitized individual should not be exposed to the product which caused the sensitization.  
Do not take internally. Avoid contact with skin, eyes and clothing by wearing proper protective equipment. Upon contact with skin or eyes, wash off with water.

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Keep containers tightly closed when not in use.  
Avoid contact and inhalation of the vapors. Do not eat or drink when handling. Keep away from any source of ignition.

Conditions for safe storage : Store in a cool, dry and well ventilated place. Isolate from incompatible materials.  
Keep containers tightly closed when not in use.

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Sodium hydroxide	1310-73-2		2 mg/m <sup>3</sup>	ACGIH
		Ceil_Time	2 mg/m <sup>3</sup>	NIOSH/GUIDE
		PEL	2 mg/m <sup>3</sup>	OSHA_TRANS
			2 mg/m <sup>3</sup>	Z1A
		TLV-C	2 mg/m <sup>3</sup>	CAD ON OEL

**Appropriate engineering controls**

**Engineering measures** : Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

**Personal protective equipment**

## Hand protection

Remarks : Wear impervious gloves, boots and apron to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body.

Eye protection : Use chemical goggles and a faceshield.

Skin and body protection : Impervious

Protective measures : An eye wash and safety shower should be provided in the immediate work area.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : no data available

Odour : Slight

Odour Threshold : no data available

pH : no data available

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	: < 0°C / 32° F
Boiling point/boiling range	: no data available
Flash point	: no data available
Evaporation rate	: No data
Flammability (solid, gas)	: Product is not known to be flammable, combustible, pyrophoric or explosive.
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: no data available
Water solubility	: no data available
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Decomposition temperature	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Oxidizing properties	: No data

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**SECTION 10. STABILITY AND REACTIVITY**

Incompatible materials	: oxidizers acids Reducing agents halogenated hydrocarbons maleic anhydride
Hazardous decomposition products	: Potassium oxides Carbon oxides nitrogen oxides Ammonia Sulfur oxides

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**SECTION 11. TOXICOLOGICAL INFORMATION**

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Information on likely routes of exposure : Inhalation, skin, eyes, ingestion

**Acute toxicity**

Acute oral toxicity (LD50) : = 2,175 mg/kg  
Species: Rat (Male)

Acute oral toxicity (LD50) : = 1,221 mg/kg  
Species: Rat (Female)

Acute dermal toxicity (LD50) : Believed to be > 2,000 mg/kg  
Species: Rabbit

**Skin corrosion/irritation**

Skin irritation : Remarks: This material is expected to be corrosive.

**Serious eye damage/eye irritation**

Eye irritation : Remarks: Corrosive to eyes.

**Respiratory or skin sensitisation**

Sensitisation : Remarks: May cause allergic skin sensitization in some individuals.

**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.

**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.

**Further information**

Remarks: No additional health information available.

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

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

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no data available

**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 : Moderately toxic to fish and other aquatic organisms.

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

Waste from residues : Spent or discarded material is not expected to be a hazardous waste.

**SECTION 14. TRANSPORT INFORMATION****IATA**

**UN number** : 1719  
**Proper shipping name** : Caustic alkali liquid, n.o.s.  
(Sodium hydroxide, 1,2-Benzisothiazolin-3-one)  
**Transport hazard class** : 8  
**Packing group** : II  
Labels : 8  
**Environmental hazards** : no

**IMDG**

**UN number** : 1719  
**Proper shipping name** : Caustic alkali liquid, n.o.s.  
(Sodium hydroxide, 1,2-Benzisothiazolin-3-one)  
**Transport hazard class** : 8  
**Packing group** : II  
Labels : 8  
EmS Number 1 : F-A  
EmS Number 2 : S-B  
**Environmental hazards** : Marine pollutant: yes

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**ADR**

**UN number** : 1719  
**Proper shipping name** : CAUSTIC ALKALI LIQUID, N.O.S.  
(Sodium hydroxide, 1,2-Benzisothiazolin-3-one)  
**Transport hazard class** : 8  
**Packing group** : II  
Classification Code : C5  
Hazard Identification Number : 80  
Labels : 8  
**Environmental hazards** : yes

**RID**

**UN number** : 1719  
**Proper shipping name** : CAUSTIC ALKALI LIQUID, N.O.S.  
(Sodium hydroxide, 1,2-Benzisothiazolin-3-one)  
**Transport hazard class** : 8  
**Packing group** : II  
Classification Code : C5  
Hazard Identification Number : 80  
Labels : 8  
**Environmental hazards** : yes

**DOT**

**UN number** : 1719  
**Proper shipping name** : Caustic alkali liquids, n.o.s.  
(Sodium hydroxide, 1,2-Benzisothiazolin-3-one)  
**Transport hazard class** : 8  
**Packing group** : II  
Labels : 8  
Emergency Response Guidebook : 154  
Number  
**Environmental hazards** : yes

**TDG**

**UN number** : 1719  
**Proper shipping name** : CAUSTIC ALKALI LIQUID, N.O.S.  
(Sodium hydroxide, 1,2-Benzisothiazolin-3-one)  
**Transport hazard class** : 8  
**Packing group** : II  
Labels : 8  
**Environmental hazards** : yes

**Special precautions for user** : none

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not applicable



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**SECTION 15. REGULATORY INFORMATION**

**This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.**

Signal word

:

POISON



Hazard statements

:

May be fatal if absorbed through skin.  
 May be fatal if inhaled.  
 Corrosive. Causes skin burns.  
 Corrosive. Causes irreversible eye damage.  
 This pesticide is toxic to fish.

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

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium hydroxide	1310-73-2	1000	

**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 12 (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).

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

**Clean Water Act**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

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Sodium hydroxide	1310-73-2	6 %
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The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Sodium hydroxide	1310-73-2	6 %
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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**

Sodium hydroxide	1310-73-2	5 - 10 %
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**Pennsylvania Right To Know**

dipropylene glycol	25265-71-8	50 - 70 %
1,2-Benzisothiazolin-3-one	2634-33-5	10 - 20 %
Water	7732-18-5	10 - 20 %
Sodium hydroxide	1310-73-2	5 - 10 %

**New Jersey Right To Know**

dipropylene glycol	25265-71-8	50 - 70 %
1,2-Benzisothiazolin-3-one	2634-33-5	10 - 20 %
Water	7732-18-5	10 - 20 %
Sodium hydroxide	1310-73-2	5 - 10 %

**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.

**The components of this product are reported in the following inventories:**

TSCA : This is an EPA registered pesticide.

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

**SECTION 16. OTHER INFORMATION**

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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.