

Printing date 23.04.2015 Revision: 23.04.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

· Trade name: Low pH Polish Blue 2X

· Article number: CW533

• 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

- · Application of the substance / the mixture Exterior vehicle cleaner
- · 1.3 Details of the supplier of the Safety Data Sheet
- Manufacturer/Supplier:

Shore Corporation 2917 Spruce Way Pittsburgh, PA 15201 USA Tel (412) 471-3330

1.4 Emergency telephone number:

ChemTel Inc. (800)255-3924, +1 (813)248-0585

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Classifications listed also are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).



Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



R34: Causes burns.

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

Additional information:

There are no other hazards not otherwise classified that have been identified.

0 percent of the mixture consists of component(s) of unknown toxicity

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- · 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008

The product is additionally classified and labelled according to the Globally Harmonized System within the United States (GHS).

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05

- · Signal word Danger
- · Hazard-determining components of labelling:

acetic acid

· Hazard statements

H314 Causes severe skin burns and eye damage.

· Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection.

P264 Wash thoroughly after handling.

P303+P361+P353 IF ON SKIN (or hair): Remove/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/doctor.

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

breathing.

P363 Wash contaminated clothing before reuse.

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

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

- · Hazard description:
- WHMIS-symbols:

D2B - Toxic material causing other toxic effects

E - Corrosive material



· NFPA ratings (scale 0 - 4)



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· HMIS-ratings (scale 0 - 4)



· HMIS Long Term Health Hazard Substances

None of the ingredients are listed.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- PBT: Not applicable.vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · **Description**: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 64-19-7 EINECS: 200-580-7 Index number: 607-002-00-6	acetic acid C R35 R10 Flam. Liq. 3, H226 Skin Corr. 1A, H314	25-50%
CAS: 68439-57-6 EINECS: 270-407-8	Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts Xi R38-41 Eye Dam. 1, H318 Skin Irrit. 2, H315	10-25%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	propan-2-ol Xi R36;	2,5-10%
CAS: 34398-01-1 NLP: 500-084-3	Undecan-1-ol, ethoxylated Xn R22; Xi R36/38 R66 ∴ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2,5-10%

· Additional information:

For the listed ingredients, the identity and exact percentages are being withheld as a trade secret. For the wording of the listed risk phrases refer to section 16.

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SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

Unlikely route of exposure.

Take affected persons into fresh air and keep quiet.

Seek medical help for symptoms or if unconscious.

· After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

Seek immediate medical help for blistering or open wounds.

· After eve contact:

Protect unharmed eye.

Remove contact lenses if worn, if possible.

Rinse opened eye for several minutes under running water. Then consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Breathing difficulty

Coughing

Strong caustic effect on skin and mucous membranes.

Gastric or intestinal disorders when ingested.

Nausea in case of ingestion.

· Hazards

Danger of impaired breathing.

Danger of gastric perforation.

Causes serious eye damage.

May be harmful if inhaled.

May be harmful in contact with skin.

 \cdot 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- · 5.3 Advice for firefighters
- · Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

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· Additional information No further relevant information available.

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SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

- 6.2 Environmental precautions: Dilute with plenty of water.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Use only in well ventilated areas.

Prevent formation of aerosols.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- · Requirements to be met by storerooms and receptacles:

Store in cool, dry place.

Provide ventilation for receptacles.

· Information about storage in one common storage facility:

Store away from foodstuffs.

Do not store together with alkalis (caustic solutions).

Store away from oxidising agents.

- · Further information about storage conditions: Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

64-19-7 acetic acid

IOELV (EU) Long-term value: 25 mg/m³, 10 ppm

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PEL (USA)	Long-term value: 25 mg/m³, 10 ppm
REL (USA)	Short-term value: 37 mg/m³, 15 ppm Long-term value: 25 mg/m³, 10 ppm
TLV (USA)	Short-term value: 37 mg/m³, 15 ppm Long-term value: 25 mg/m³, 10 ppm
EL (Canada)	Short-term value: 15 ppm Long-term value: 10 ppm
EV (Canada)	Short-term value: 37 mg/m³, 15 ppm Long-term value: 25 mg/m³, 10 ppm
67-63-0 prop	an-2-ol
PEL (USA)	Long-term value: 980 mg/m³, 400 ppm
REL (USA)	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm
TLV (USA)	Short-term value: 984 mg/m³, 400 ppm Long-term value: 492 mg/m³, 200 ppm BEI
EL (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm
EV (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm
· DNELs No fu	rther relevant information available.

- · PNECs No further relevant information available.

· Ingredients with biological limit values:

67-63-0 propan-2-ol

BEI (USA) 40 mg/L

Medium: urine

Time: end of shift at end of workweek

Parameter: Acetone (background, nonspecific)

- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· Respiratory protection:

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable.

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· Protection of hands:

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Protective gloves

Rubber gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· Material of gloves

Nitrile rubber, NBR Butyl rubber, BR Neoprene gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- · Not suitable are gloves made of the following materials: PVA gloves
- · Eye protection:



Safety glasses

- · Body protection: Acid resistant protective clothing
- · Limitation and supervision of exposure into the environment Avoid release to the environment.
- Risk management measures

See Section 7 for additional information. No further relevant information available.

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form:
Colour:
Dark blue
Odour:
Vinegar-like.
Odour threshold:
Not determined.

· pH-value at 20 °C (68 °F): 2,0-3,0

· Change in condition

Melting point/Melting range: Not Determined.

Boiling point/Boiling range: >100 °C (>212 °F) (Estimated)

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Flash point: Not applicable.
 Flammability (solid, gaseous): Not applicable.
 Auto/Self-ignition temperature: Not determined.
 Decomposition temperature: Not determined.

· **Self-igniting:** Product is not self-igniting.

· Danger of explosion: Product does not present an explosion hazard.

· Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapour pressure: Not determined.

Density at 20 °C (68 °F): 1,03 g/cm³ (8,595 lbs/gal)

Relative density
 Vapour density
 Evaporation rate
 Not determined.
 Not determined.
 Not determined.

· Solubility in / Miscibility with

water: Soluble.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. **Kinematic:** Not determined.

• 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· 10.3 Possibility of hazardous reactions

Reacts with alkali (lyes). Reacts with fats and oils. Reacts with certain metals.

Reacts with oxidising agents.

- · 10.4 Conditions to avoid Excessive heat.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Sulphur oxides (SOx)

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SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity:

LD/LC50 values rele	vant for classification:
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64-19-7 acetic acid

Oral LD50 3310 mg/kg (rat)
Dermal LD50 1060 mg/kg (rabbit)

- · Primary irritant effect:
- on the skin: Caustic effect on skin and mucous membranes.
- on the eye: Strong caustic effect.
- **Sensitisation:** No sensitising effects known.
- · Subacute to chronic toxicity: No further relevant information available.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· Acute effects (acute toxicity, irritation and corrosivity):

Causes severe skin burns and eye damage.

May be harmful if inhaled.

May be harmful in contact with skin.

May cause gastro-intestinal irritation if ingested.

· Repeated dose toxicity: No further relevant information available.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: Likely to be toxic to aquatic organisms
- · 12.2 Persistence and degradability biodegradable
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. If the dilution of the use-level pH-value is considerably increased after use, the aqueous waste, emptied into drains, is only low water-dangerous.

- 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · **vPvB:** Not applicable.

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· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Dilute concentrate with water and neutralize afterwards with suitable material (lime or chalk). The formed salts are inert and pose little hazard.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

- · Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- · 14.1 UN-Number
- · DOT, ADR, IMDG, IATA

UN2790

14.2 UN proper shipping name



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 L (1.3 gal).

· **DOT, IATA** Acetic acid solution, mixture

· ADR 2790 ACETIC ACID SOLUTION, MIXTURE ACETIC ACID SOLUTION, MIXTURE

· 14.3 Transport hazard class(es)

· DOT



· Class 8 Corrosive substances.

· Label

· ADR



· Class 8 (C3) Corrosive substances.

· Label

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· IMDG, IATA



· Class 8 Corrosive substances.

· Label

· 14.4 Packing group

· DOT, ADR, IMDG, IATA

14.5 Environmental hazards:

· Marine pollutant: No

• 14.6 Special precautions for user Warning: Corrosive substances.

Danger code (Kemler):EMS Number:Segregation groups80F-A,S-BAcids

· 14.7 Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· ADR

Limited quantities (LQ)Excepted quantities (EQ)5LCode: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· Transport category 3 · Tunnel restriction code E

· IMDG

Limited quantities (LQ)Excepted quantities (EQ)Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation": UN2790, ACETIC ACID SOLUTION, MIXTURE, 8, III

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- **United States (USA)**
- ·SARA
- · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

67-63-0 propan-2-ol

TSCA (Toxic Substances Control Act):

All ingredients are listed.

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Proposition 65 (California):	
· Chemicals known to cause cancer:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for females:	
None of the ingredients are listed.	
· Chemicals known to cause reproductive toxicity for males:	
None of the ingredients are listed.	
· Chemicals known to cause developmental toxicity:	
None of the ingredients are listed.	
· Carcinogenic Categories	
EPA (Environmental Protection Agency)	
None of the ingredients are listed.	
· IARC (International Agency for Research on Cancer)	
67-63-0 propan-2-ol	3
· TLV (Threshold Limit Value established by ACGIH)	
67-63-0 propan-2-ol	A4
· NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients are listed.	
· Canada	
· Canadian Domestic Substances List (DSL)	
All ingredients are listed.	
· Canadian Ingredient Disclosure list (limit 0.1%)	
None of the ingredients are listed.	
· Canadian Ingredient Disclosure list (limit 1%)	
64-19-7 acetic acid	_
67-63-0 propan-2-ol	

· Other regulations, limitations and prohibitive regulations

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

- · Substances of very high concern (SVHC) according to REACH, Article 57 None of the ingredients are listed.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H225 Highly flammable liquid and vapour.

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H226 H302 H314 H315 H318 H319	Flammable liquid and vapour. Harmful if swallowed. Causes severe skin burns and eye damage. Causes skin irritation. Causes serious eye damage. Causes serious eye irritation. May cause drowsiness or dizziness.	(Contd. of page 12)
R10 R11 R22 R35 R36 R36/38 R38 R41 R66 R67	Flammable. Highly flammable. Harmful if swallowed. Causes severe burns. Irritating to eyes. Irritating to eyes and skin. Irritating to skin. Risk of serious damage to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.	
ADR: A Internati IMDG: II DOT: US IATA: IN GHS: GI ACGIH: EINECS ELINCS CAS: CF NFPA: N HMIS: H WHMIS: H WHMIS: H LC50:	viations and acronyms: ccord européen sur le transport des marchandises dangereuses par Route (Europea onal Carriage of Dangerous Goods by Road) nternational Maritime Code for Dangerous Goods 5 Department of Transportation ternational Air Transport Association obally Harmonised System of Classification and Labelling of Chemicals American Conference of Governmental Industrial Hygienists : European Inventory of Existing Commercial Chemical Substances : European List of Notified Chemical Substances : European List of Notified Chemical Substances emical Abstracts Service (division of the American Chemical Society) validional Fire Protection Association (USA) lazardous Materials Identification System (USA) lazardous Materials Identification System (USA) Poerived No-Effect Level (REACH) Predicted No-Effect Concentration (REACH) ethal concentration, 50 percent ethal dose, 50 percent ethal son, 50 percent ethal son, 50 percent ethal concorosion/irritation, Hazard Category 1 g. 2: Flammable liquids, Hazard Category 3 son, 4: Acute toxicity, Hazard Category 4 mr. 18: Skin corrosion/irritation, Hazard Category 1B g. 2: Skin corrosion/irritation, Hazard Category 1 g. 2: Serious eye damage/eye irritation, Hazard Category 1 g. 2: Serious eye damage/eye irritation, Hazard Category 2 E 3: Specific target organ toxicity - Single exposure, Hazard Category 3 gs repared by: Tel Inc. Jorth Florida Avenue a, Florida USA 33602-2902 ee North America 1-888-255-3924 Intl. +01 813-248-0573 te: www.chemtelinc.com	an Agreement concerning the