



# CRC Industries, Inc.

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# Product List

**Product identifier: BenchtopPRO SmartWasher Kit**

**Product code: Item# 1000872**

This kit contains 2 products. Safety Data Sheets for the following products follow this cover page:

Item# 1000448	BT5 Concentrate - 3.78 L
No. 3375-MPROP-4 (Item# 1000495)	MicroPRO Pack - 4 packets



# SAFETY DATA SHEET

## SECTION 1. Identification of the hazardous chemical substance or mixture and of the supplier or manufacturer

<b>Name of the hazardous chemical substance or mixture</b>	<b>BT5 Concentrate - 3.78 L</b>	
<b>Other means of identification</b>		
<b>Product Code</b>	Item# 1000448	
<b>Recommended use of the hazardous chemical substance or mixture, and restrictions of use</b>		
<b>Recommended use</b>	Solution for SmartWasher® BenchtopPRO® parts washing systems	
<b>Recommended restrictions</b>	None known.	
<b>Suppliers details</b>		
<b>Company name</b>	CRC Industrias de Mexico S. de R. L. de C.V.	
<b>Address</b>	Cerrada Canadá 201-H Fraccionamiento Industrial Martel Santa Catarina, NL 66367 Mexico	
<b>Telephone</b>	General Information	81-2139-0572
<b>Website</b>	www.crc-mexico.com	
<b>E-mail</b>	SoporteTecnico@crcind.com	
<b>Emergency phone number</b>	24-Hour Emergency	01-800-681-9531

## SECTION 2. Hazard identification

### Classification of the substance or mixture

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Serious eye damage/eye irritation	Category 2A
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3

### Elements of labeling, including precautionary statements and warning pictograms



<b>Signal word</b>	Warning	
<b>Hazard statement</b>		
H319	Causes serious eye irritation.	
H402	Harmful to aquatic life.	
H412	Harmful to aquatic life with long lasting effects.	
<b>Precautionary statement</b>		
<b>Prevention</b>		
P264	Wash thoroughly after handling.	
P273	Avoid release to the environment.	
P280	Wear eye protection/face protection.	
<b>Response</b>		
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 attention.	
<b>Storage</b>	Store away from incompatible materials.	
<b>Disposal</b>		

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other hazards which do not result in classification</b>	None known.
<b>Supplemental information</b>	None.

**Mixtures**

Chemical identity	Common name(s), synonym(s)	CAS number and other unique identifiers	Concentration
water		7732-18-5	80 - 90
alcohol ethoxylate		68991-48-0	3 - 5
sodium citrate		68-04-2	1 - 3

**Composition comments** Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

**Description of necessary first-aid measures**

<b>Inhalation</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	None known.
<b>Special protective actions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Cool containers with water spray.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

**Personal precautionary measures, protective equipment and emergency procedure**

<b>For non-emergency personnel</b>	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.
<b>For emergency responders</b>	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
<b>Environmental precautions</b>	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**Methods and materials for containing and cleaning up spills or releases**

Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**SECTION 7. Handling and storage****Precautions for safe handling**

Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS).

**SECTION 8. Exposure controls/personal protection****Control parameters****Occupational exposure limits**

No exposure limits noted for ingredient(s).

**Biological limit values**

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

**Control banding approach**

Not available.

**Appropriate engineering controls**

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product.

**Individual protection measures, such as personal protective equipment (PPE)****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

Wear protective gloves such as: Nitrile. Neoprene. Rubber.

**Other**

Wear suitable protective clothing.

**Respiratory protection**

No personal respiratory protective equipment normally required. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**SECTION 9. Physical and chemical properties****Appearance****Physical state**

Liquid.

**Form**

Liquid.

**Color**

Pale yellow.

**Odor**

Not available.

**Odor threshold**

Not available.

**pH**

7.5 - 8.5

**Melting point/freezing point**

19.4 °F (-7 °C) estimated

**Initial boiling point and boiling range**

212 °F (100 °C) estimated

**Flash point**

None

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not available.

**Upper/lower flammability or explosive limits****Flammability limit - lower (%)**

Not available.

**Flammability limit - upper (%)**

Not available.

**Vapor pressure**

19 hPa estimated

Vapor density	Not available.
Relative density	1
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Molecular weight	Not available.
Other information	
Percent volatile	87.9 % estimated

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## SECTION 10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions that must be avoided	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides. Nitrogen oxides (NOx). Hydrochloric acid. Sodium oxides.

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## SECTION 11. Toxicological information

### Information about likely routes of entry

Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Health injuries are not known or expected under normal use.

Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
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### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Numerical measures of toxicity (such as acute toxicity estimates)

Acute toxicity	Not known.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.

#### Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.

Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
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Carcinogenicity	Not classifiable as to carcinogenicity to humans.
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Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
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Specific target organ toxicity - single exposure	Not classified.
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Specific target organ toxicity - repeated exposure	Not classified.
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Aspiration hazard	Not an aspiration hazard.
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Other information	This product has no known adverse effect on human health.
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## SECTION 12. Ecotoxicological information

<b>Toxicity</b>	Harmful to aquatic life with long lasting effects.		
<b>Components</b>	<b>Species</b>	<b>Test Results</b>	
sodium citrate (CAS 68-04-2)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	655 - 825.9 mg/l, 48 hours
<b>Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.		
<b>Bioaccumulative potential</b>			
<b>Mobility in soil</b>	No data available.		
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

## SECTION 13. Disposal considerations

### Disposal methods

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14. Transport information

### SCT

Not regulated as dangerous goods.

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

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

## SECTION 15. Regulatory information

**Safety, health and environmental regulations specific for the hazard chemical substance or mixture in question**

**Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)**

Not listed.

### International regulations

#### Montreal Protocol

Not applicable.

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Basel Convention

Not applicable.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### SECTION 16. Other included information relevant to the preparation and updating of safety data sheets

<b>Issue date</b>	10-25-2019
<b>Version #</b>	01
<b>List of abbreviations</b>	Not available.
<b>Further information</b>	Chemfree # BT-5 Concentrate
<b>Disclaimer</b>	<p>This information is considered accurate but is not exhaustive and shall only be used as a guideline based on current knowledge of the chemical substance or mixture. Safety precautions suitable for the product must be applied.</p> <p>The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC's knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this (M)SDS consult your supervisor, a health &amp; safety professional, or CRC Industrias de Mexico S. de R. L. de C.V..</p>



# SAFETY DATA SHEET

## SECTION 1. Identification of the hazardous chemical substance or mixture and of the supplier or manufacturer

<b>Name of the hazardous chemical substance or mixture</b>	MicroPRO Pack - 4 packets		
<b>Other means of identification</b>			
<b>Product Code</b>	No. 3375-MPROP-4 (Item# 1000495)		
<b>Recommended use of the hazardous chemical substance or mixture, and restrictions of use</b>			
<b>Recommended use</b>	Microbial cleaning agent for BenchtopPRO® parts washing systems		
<b>Recommended restrictions</b>	None known.		
<b>Suppliers details</b>			
<b>Company name</b>	CRC Industrias de Mexico S. de R. L. de C.V.		
<b>Address</b>	Cerrada Canadá 201-H Fraccionamiento Industrial Martel Santa Catarina, NL 66367 Mexico		
<b>Telephone</b>	General Information	81-2139-0572	
<b>Website</b>	www.crc-mexico.com		
<b>E-mail</b>	SoporteTecnico@crcind.com		
<b>Emergency phone number</b>	24-Hour Emergency	01-800-681-9531	

## SECTION 2. Hazard identification

<b>Classification of the substance or mixture</b>			
<b>Physical hazards</b>	Not classified.		
<b>Health hazards</b>	Not classified.		
<b>Environmental hazards</b>	Not classified.		
<b>Elements of labeling, including precautionary statements and warning pictograms</b>			
<b>Hazard symbols</b>	None.		
<b>Signal word</b>	None.		
<b>Hazard statement</b>	The mixture does not meet the criteria for classification.		
<b>Precautionary statement</b>			
<b>Prevention</b>	Use with adequate ventilation. Observe good industrial hygiene practices.		
<b>Response</b>	Wash hands after handling.		
<b>Storage</b>	Store away from incompatible materials.		
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements.		
<b>Other hazards which do not result in classification</b>	None known.		
<b>Supplemental information</b>	None.		

## SECTION 3. Composition/information on ingredients

### Mixtures

Chemical identity	Common name(s), synonym(s)	CAS number and other unique identifiers	Concentration
1,2-benzisothiazolone		2634-33-5	< 2.5
bronopol (inn)		52-51-7	< 2.5
potassium phosphate		7778-77-0	< 2.5
sodium hydroxide		1310-73-2	< 2.5

**Composition comments** Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## SECTION 4. First-aid measures

### Description of necessary first-aid measures

<b>Inhalation</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## SECTION 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water spray. Alcohol resistant foam. Dry chemicals. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective actions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## SECTION 6. Measures that must be taken in the event of accidental spillage or an accidental leak

### Personal precautionary measures, protective equipment and emergency procedure

<b>For non-emergency personnel</b>	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
<b>For emergency responders</b>	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.
<b>Methods and materials for containing and cleaning up spills or releases</b>	Prevent entry into waterways, sewer, basements or confined areas.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

## SECTION 7. Handling and storage

<b>Precautions for safe handling</b>	Use care in handling/storage. For product usage instructions, see the product label.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry place out of direct sunlight. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

## SECTION 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

##### Mexico. Occupational Exposure Limit Values

Components	Type	Value
sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m <sup>3</sup>

<b>US. ACGIH Threshold Limit Values</b>		
<b>Components</b>	<b>Type</b>	<b>Value</b>
sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).	
<b>Control banding approach</b>	Not available.	
<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.	
<b>Individual protection measures, such as personal protective equipment (PPE)</b>		
<b>Eye/face protection</b>	Where splashing is possible, wear safety glasses.	
<b>Skin protection</b>		
<b>Hand protection</b>	Not normally needed.	
<b>Other</b>	Wear suitable protective clothing.	
<b>Respiratory protection</b>	If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.	
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.	
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.	

## SECTION 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	212 °F (100 °C) estimated
<b>Flash point</b>	None.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	0.00008 hPa estimated
<b>Vapor density</b>	Not available.
<b>Relative density</b>	1
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Molecular weight</b>	Not available.

**Other information**

Percent volatile 99.2 % estimated

**SECTION 10. Stability and reactivity**

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions that must be avoided</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

**SECTION 11. Toxicological information****Information about likely routes of entry**

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

**Delayed and immediate effects and also chronic effects from short and long term exposure****Numerical measures of toxicity (such as acute toxicity estimates)****Acute toxicity**

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
MicroPRO Pack - 4 packets		
<b>Acute</b>		
<b>Dermal</b>		
ATEmix		2419.2439862542956 mg/kg
<b>Oral</b>		
ATEmix		2684.2105263157896 mg/kg

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Other information** This product has no known adverse effect on human health.

**SECTION 12. Ecotoxicological information**

**Toxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
1,2-benzisothiazolone (CAS 2634-33-5)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )
Fish	LC50	Rainbow trout, donaldson trout ( <i>Oncorhynchus mykiss</i> )
sodium hydroxide (CAS 1310-73-2)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Ceriodaphnia dubia</i> )
Fish	LC50	Western mosquitofish ( <i>Gambusia affinis</i> )
<b>Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.	
<b>Bioaccumulative potential</b>		
<b>Partition coefficient n-octanol / water (log Kow)</b>		
bronopol (inn)		-0.64
<b>Mobility in soil</b>	No data available.	
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

### SECTION 13. Disposal considerations

#### Disposal methods

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### SECTION 14. Transport information

#### SCT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

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

### SECTION 15. Regulatory information

**Safety, health and environmental regulations specific for the hazard chemical substance or mixture in question** This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2015).

#### Mexico. Hazard identification guidance list (NOM-018-STPS)

sodium hydroxide (CAS 1310-73-2) Listed.

#### Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)

Not listed.

#### International regulations

##### Montreal Protocol

Not applicable.

##### Stockholm Convention

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16. Other included information relevant to the preparation and updating of safety data sheets

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**List of abbreviations**

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

DOT: Department of Transportation (49 CFR 172.101).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG Code: International Maritime Dangerous Goods Code.

MARPOL: International Convention for the Prevention of Pollution from Ships.

SCT: Secretariat of Communications and Transportation (NOM-002-SCT/2011).

**References**

Workplace Threshold Quantities of Hazardous Chemicals

NOM-047-SSA1-2011 – Workplace Biological Exposure Indices (BEIs) to Chemical Substances

NOM-028-STPS-2012 – Work-Safety Management System for Processes and Critical Equipment Handling Hazardous Chemical Substances

NOM-010-STPS-2014 (second revision) – Occupational Exposure Limits – becomes effective on April 28, 2016

NMX-R-019-SCFI-2011 - Harmonized system of classification and communication of dangers of chemical products

NOM-018-STPS-2015 - Harmonized system for the identification and communication of hazards and risks for hazardous chemicals in the workplace

NOM-026-STPS-2008 - Colors and signals of safety and hygiene, and risk identification through fluids in pipes

**Disclaimer**

This information is considered accurate but is not exhaustive and shall only be used as a guideline based on current knowledge of the chemical substance or mixture. Safety precautions suitable for the product must be applied.

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