

Section 1. Chemical Product and Company Information

Product Name : XT ARMOR | Part A
 Other means of identification : Not applicable
 Recommended Use : Teat Dip, Part 1 of 2
 Restrictions on Use : Reserved for industrial and professional use.

Supplier Information : AgroChem Inc.
 26 Freedom Way
 Saratoga Springs, NY 12866
 (518) 226-4850

Product Dilution : See product label.

Date of issue : 08/01/2018

EMERGENCY HEALTH INFORMATION : 1 (800) 424-9300
 Outside United States and Canada CALL: +1 (703) 741-5500

Section 2. Hazards Identification

GHS Classification
 Eye Irritation : **Category**
 2B

GHS Label Element

Hazard pictograms :



Signal Word : Warning
 Hazard Statements : Causes eye irritation.
 Precautionary Statements :

Prevention: Wash skin thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Other hazards Known known

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

Section 3. Composition / Information on Ingredients

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration (%)
Lactic acid	50-21-5	1-5

Section 4. First Aid Measures

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically.

See toxicological information (Section 11)

Section 5. Fire-Fighting Measures

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NO_x) Sulfur oxides Oxides of phosphorus

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of

fire and/or explosion do not breathe fumes.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section 7. Handling and Storage

Advice on safe handling	Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions for safe storage	Keep out of reach of children. Store in suitable labeled containers.
Storage temperature	-30°C to 45°C

Section 8. Exposure Controls / Personal Protection

Ingredients with workplace control parameters	Contains no substances with occupational exposure limit values.
-----------------------------------------------	-----------------------------------------------------------------

Engineering measures	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Personal protective equipment	:	
Eye protection	:	No special protective equipment required.
Hand protection	:	No special protective equipment required.
Skin protection	:	No special protective equipment required.
Respiratory protection	:	No personal respiratory protective equipment normally required.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

Appearance	:	Liquid
Color	:	Green
Odor	:	Odorless
pH	:	2.28, 100%
Flash point	:	Not applicable
Odor Threshold	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	> 100°C
Evaporation Rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	1.048
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available

Oxidizing properties	:	No data available
Molecular weight	:	No data available
VOC	:	No data available

Section 10. Stability and Reactivity

Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions to avoid	:	None known.
Incompatible materials	:	Bases
Hazardous decomposition products	:	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NO _x) Sulfur oxides Oxides of phosphorus

Section 11. Toxicological Information

Information on likely routes of exposure	:	Inhalation, Eye contact, Skin contact
Potential Health Effects	:	
Eyes	:	Causes eye irritation.
Skin	:	Health injuries are not known or expected under normal use.
Ingestion	:	Health injuries are not known or expected under normal use.
Inhalation	:	Health injuries are not known or expected under normal use.
Chronic Exposure	:	Health injuries are not known or expected under normal use.
Experience with human exposure	:	
Eye contact	:	Redness, Eye Irritation
Skin contact	:	No symptoms known or expected.
Ingestion	:	No symptoms known or expected.
Inhalation	:	No symptoms known or expected.
Toxicity	:	No data available

Acute oral toxicity	:	Acute toxicity estimate : > 5,000 mg/kg
Acute inhalation toxicity	:	No data available
Acute dermal toxicity	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	Mild eye irritation
Respiratory or skin sensitization	:	No data available
Carcinogenicity	:	No
Reproductive effects	:	No data available
Germ cell mutagenicity	:	No data available
Teratogenicity	:	No data available
STOT-single exposure	:	No data available
STOT-repeated exposure	:	No data available
Aspiration toxicity	:	No data available

Ingredients

Acute inhalation toxicity	:	lactic acid 4 h LC50 Rat: > 7.94 mg/l
---------------------------	---	------------------------------------------

Section 12. Ecological Information**Ecotoxicity**

Environmental Effects	:	This product has no known ecotoxicological effects.
-----------------------	---	-----------------------------------------------------

Product

Toxicity to Fish	:	No data available
Toxicity to daphnia and other aquatic invertebrates	:	No data available
Toxicity to algae	:	No data available

Ingredients

Toxicity to fish	:	lactic acid 96 h LC50 Fish: 130 mg/l
------------------	---	-----------------------------------------

Persistence and degradability

No data available

Bioaccumulative potential No data available

Mobility in soil No data available

Other adverse effects No data available

Section 13. Disposal Considerations

- Disposal methods : Diluted product can be flushed to sanitary sewer.
- Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

Section 14. Transport Information

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT) : Non Hazardous

UN number :
Description of the goods :
Class :
Packing group :
Environmentally hazardous :

Sea transport (IMDG/IMO) : Non Hazardous

UN number :
Description of the goods :
Class :
Packing group :
Environmentally hazardous :

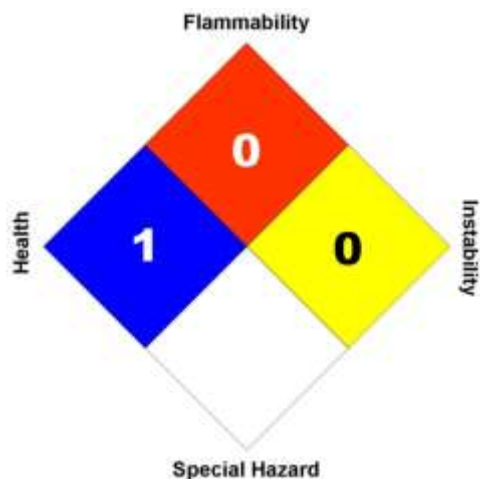
Section 15. Regulatory Information**EPCRA - Emergency Planning and Community Right-to-Know**

- CERCLA Reportable Quantity** : This material does not contain any components with a CERCLA RQ.
- SARA 304** : This material does not contain any components with a section 304 EHS RQ.
- SARA 311/312 Hazards** : Acute Health Hazard
- SARA 302** : The following components are subject to reporting levels established by 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.
- California Prop 65** : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory	: On TSCA Inventory
Canadian Domestic Substances List (DSL)	: All components of this product are on the Canadian DSL.
Australia Inventory of Chemical Substances (AICS)	: not determined
New Zealand. Inventory of Chemical Substances	: On the inventory, or in compliance with the inventory
Japan. ENCS - Existing and New Chemical Substances Inventory	: not determined
Japan. ENCS - Existing and New Chemical Substances Inventory	: not determined
Japan. ISHL - Inventory of Chemical Substances	: not determined
Korea. Korean Existing Chemicals Inventory (KECI)	: not determined
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	: not determined
China. Inventory of Existing Chemical Substances in China (IECSC)	: not determined

Section 16. Other Information



HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = Not Significant, 1 = Slight

2 = Moderate, 3 = High

4 = Extreme, * = Chronic

Issuing date	: 8/01/2018
Version	: 1
Prepared by	: RJD

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material 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.