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| Section 1. Chemical Product and Company Information |
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Product Name : XT-NF CONCENTRATE, Part B
 Other means of identification : Not applicable
 Recommended Use : Teat Dip, Part 2 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

Dilution : See label for instructions
 Date of issue : 12/28/17

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

MAJOR HEALTH HAZARDS: CORROSIVE. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. TOXIC IF INHALED. HARMFUL IF SWALLOWED. INGESTION MAY CAUSE DAMAGE TO: BLOOD SYSTEM, AND KIDNEY SYSTEM. INHALATION MAY CAUSE DAMAGE TO THE RESPIRATORY SYSTEM. MAY CAUSE DAMAGE TO THE BLOOD AND KIDNEYS THROUGH PROLONGED OR REPEATED EXPOSURES.

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| Section 2. Hazards Identification |
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GHS Classification

Skin corrosion : Category 1B
 Serious eye damage : Category 1
 Acute Toxicity - Inhalation : Category 3 – Toxic if inhaled
 Acute Toxicity -Oral : Category 4 –Harmful if swallowed
 Target Organ Toxicity : Category 2 - May cause damage to Respiratory System,Blood, Kidneys
 Target Organ Toxicity : Category 2 – May cause damage to Blood, Kidney through prolonged or repeated exposure
 Hazardous to Aquatic Environments : Category 3 – Harmful to aquatic life

GHS Label Element

Hazard pictograms :





Signal Word : Danger
 Hazard Statements :

- Toxic if inhaled
- Causes severe skin burns and eye damage
- Causes serious eye damage
- Harmful if swallowed
- May cause damage to organs through prolonged or repeated exposure (Respiratory, Kidney, and Blood Systems)
- May cause damage to Renal system (Kidneys), and Blood

SAFETY DATA SHEET

XT-NF CONCENTRATE, Part B

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|-----------------------------------|---|
| Environmental Hazard Statement(s) | system through prolonged or repeated exposure Harmful to aquatic life |
| Precautionary Statements | : Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye, and face protection. Do not eat, drink or smoke when using this product. Do not breathe mist, vapors, or spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Keep container tightly closed. Store in a secure manner. Always package, store, transport and dispose of all waste and contaminated equipment in accordance with all applicable federal, state, and local health and environmental regulations. Do not contaminate with acids, reducing agents, combustible materials, oxidizing materials, hypochlorite, organic solvents and compounds, garbage, dirt, organic matter, household products, chemicals, soap products, paint products, vinegar, beverages, oils, pine oil, dirty rags, sulfur-containing rubber, or any other foreign matter. |
| Prevention: | Do not breathe dust, fume, gas, mist, vapors, or spray <ul style="list-style-type: none">• In case of inadequate ventilation, wear respiratory protection• Wear protective gloves, protective clothing, eye, and face protection.• Wash thoroughly after handling• Use only outdoors or in a well-ventilated area• Do not eat, drink or smoke when using this product. |
| Response: | <ul style="list-style-type: none">• IF INHALED: Remove person to fresh air and keep comfortable for breathing• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing• IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower• IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell• Rinse mouth• Call a POISON CENTER or doctor/physician if you feel unwell |
| Storage: | Store locked up. |
| Disposal: | Dispose of contents/ container to an approved waste disposal plant. |
| Other hazards | : None Known |

Section 3. Composition / Information on Ingredients

Pure substance/mixture : Mixture

| Chemical Name | CAS-No. | Concentration (%) |
|-----------------|-----------|-------------------|
| Sodium chlorite | 7758-19-2 | 6-8 |

Section 4. First Aid Measures

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- 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.

SAFETY DATA SHEET

XT-NF CONCENTRATE, Part B

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 Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.

Conditions for safe storage Keep away from strong bases. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature -10 °C to 50 °C

Section 8. Exposure Controls / Personal Protection

Product AS SOLD

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

SAFETY DATA SHEET

XT-NF CONCENTRATE, Part B

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Safety goggles
Face-shield

Hand protection : Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Section 9. Physical and Chemical Properties

Appearance : Liquid

Color : Clean, Clear

Odor : Chlorine

pH : 11.75, 100%

Flash point : Not applicable, Does not sustain combustion

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 : 1.057

Water solubility : Soluble

| | | |
|--|---|-------------------|
| 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

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|------------------------------------|---|
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | Mixing this product with acid or ammonia releases chlorine gas. |
| Conditions to avoid | None known. |
| Incompatible materials | Acids Metals |
| 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

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|--|---|---|
| Information on likely routes of exposure | : | Inhalation, Eye contact, Skin contact |
| Potential Health Effects | : | No data available |
| Eyes | : | Causes serious eye damage. |
| Skin | : | Causes severe skin burns. |
| Ingestion | : | Causes digestive tract burns. |
| Inhalation | : | May cause nose, throat, and lung irritation. |
| Chronic Exposure | : | Health injuries are not known or expected under normal use. |

| | | |
|---------------------------------------|---|---|
| Experience with human exposure | : | |
| Eye contact | : | Redness, Pain, Corrosion |
| Skin contact | : | Redness, Pain, Corrosion |
| Ingestion | : | Corrosion, Abdominal pain |
| Inhalation | : | Respiratory irritation, Cough |
| Toxicity | : | |
| Acute oral toxicity | : | Acute toxicity estimate : > 5,000 mg/kg |
| Acute inhalation toxicity | : | 4 h Acute toxicity estimate : > 40 mg/l |
| Acute dermal toxicity | : | Acute toxicity estimate : 3,494 mg/kg |
| Skin corrosion/irritation | : | No data available |
| Serious eye damage/eye irritation | : | No data available |
| Respiratory or skin sensitization | : | No data available |
| Carcinogenicity | : | No data available |
| 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 |

Section 12. Ecological Information

Ecotoxicity

Environmental Effects : Toxic to aquatic life.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

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 : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
- RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : D002 (Corrosive)

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)

US DOT 49 CFR172.101

| | |
|--------------------------------|-------------------|
| UN NUMBER: | UN1908 |
| PROPER SHIPPING NAME | Chlorite solution |
| HAZARD CLASS / DIVISION | 8 |
| PACKAGING GROUP | II |
| LABELING REQUIREMENTS | 8 |

Sea transport (IMDG/IMO)

| | |
|--------------------------------|-------------------|
| UN NUMBER: | UN1908 |
| PROPER SHIPPING NAME | Chlorite solution |
| HAZARD CLASS / DIVISION | 8 |
| PACKAGING GROUP | II |
| LABELING REQUIREMENTS | 8 |

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 Extremely Hazardous Substances Reportable Quantity

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

SAFETY DATA SHEET

XT-NF CONCENTRATE, Part B

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| SARA 311/312 Hazards | : Acute Health Hazard |
| 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. |
| 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:

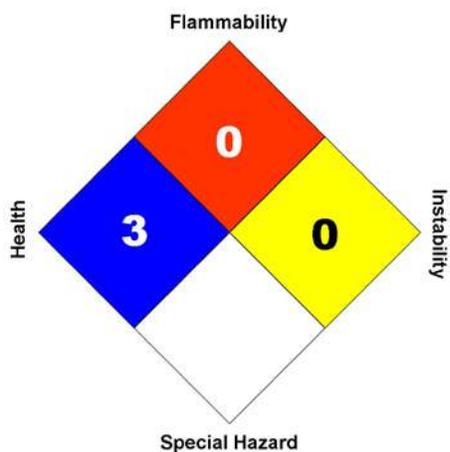
| | |
|---|---|
| United States TSCA Inventory | : On TSCA Inventory |
| Canadian Domestic Substances List (DSL) | : All components of this product are on the Canadian DSL. |
| Australia Inventory of Chemical Substances (AICS) | : On the inventory, or in compliance with the inventory |
| New Zealand. 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 | : On the inventory, or in compliance with the inventory |
| Korea. Korean Existing Chemicals Inventory (KECI) | : On the inventory, or in compliance with the inventory |
| Philippines Inventory of Chemicals and Chemical Substances (PICCS) | : On the inventory, or in compliance with the inventory |
| China. Inventory of Existing Chemical Substances in China (IECSC) | : On the inventory, or in compliance with the inventory |

Section 16. Other Information

As shipped:

SAFETY DATA SHEET

XT-NF CONCENTRATE, Part B



HMIS III:

| | |
|------------------------|----------|
| HEALTH | 3 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

0 = Not Significant, 1 = Slight
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

Issuing date : 01/15/2018
 Version : 3.0
 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.