



# RA-400 Water Treatment

## Safety Data Sheet

Revision date: June 24, 2016

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

#### 1.1. Product identifier

Trade name : RA-400  
Product form : Mixture  
Product code : 88-00015

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Conditioning Add-Pack

#### 1.3. Details of the supplier of the safety data sheet

HOBO Inc. - DBA - Triton Chemical  
21365 Hamburg Ave.  
Lakeville, MN 55044  
Phone: (800) 969-4626  
Email: info@hoboinc.com

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

<u>Hazard Code</u>	<u>Hazard Class</u>	<u>Hazard Category</u>
H290	Corrosive to metals	1
H315	Skin corrosion/irritation	2
H318	Serious eye damage/eye irritation	1
H351	Carcinogenicity	2
H373	Specific target organ toxicity, repeated exposure (Respiratory System)	2

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES

#### 2.2. Label elements

##### GHS-US labeling

##### Hazard pictograms (GHS-US)



Signal Word (GHS-US): **Danger**

##### Hazard Statements (GHS-US):

H290: May be corrosive to metals  
H315: Causes skin irritation  
H318: Causes serious eye damage  
H351: Suspected of causing cancer  
H373: May cause damage to organs

##### Precautionary statements (GHS-US):

P201: Obtain special instructions before use  
P202: Do not handle until all safety precautions have been read and understood  
P234: Keep only in original container  
P260: Do not breathe dust/fumes/gas/mist/vapors/spray  
P264: Wash thoroughly after handling  
P280: Wear protective gloves/protective clothing/eye protection/face protection

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P390: Absorb spillage to prevent material damage.  
P302+352: IF ON SKIN: Wash with soap and water  
P321: Specific treatment (see Section 4)  
P332+313: If skin irritation occurs: Get medical advice/attention  
P362: Take off contaminated clothing and wash before reuse  
P305+351+338: 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 or doctor/physician  
P308+313: IF exposed or concerned: Get medical advice/attention  
P314: Get Medical advice/attention if you feel unwell  
P405: Store locked up  
P406: Store in a corrosive resistant container with a resistant inner liner  
P501: Dispose of contents/container in accordance with local, state and federal authorities.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	CAS #	%
Tetrasodium ethylenediamine tetraacetate	64-02-8	5 – 10
Sodium xylenesulphonate	1300-72-7	5 – 10
Ethylene Oxide/Propylene Oxide Co-polymer	9003-11-6	1 – 5
Tetrasodium (1-hydroxyethylidene)bisphosphonate	3794-83-0	1 – 5
Nitritotriacetate, trisodium salt (NTA)	5064-31-3	< 0.25

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing Use artificial respiration and oxygen if needed. If irritation persists, seek medical attention.

First-aid measures after skin contact : IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). If irritation persists, seek medical attention.

First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). If irritation persists, seek medical attention.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call physician immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes skin irritation. Causes serious eye damage.

Symptoms/injuries after inhalation : May cause headache, nausea and irritation of respiratory tract.

Symptoms/injuries after skin contact : May cause skin irritation.

Symptoms/injuries after eye contact : Causes serious eye damage.

Symptoms/injuries after ingestion : May cause gastrointestinal irritation, nausea, vomiting, and diarrhea if swallowed.

Chronic symptoms : Repeat exposure may cause damage to respiratory tract.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide. Dry powder. Water spray.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : No Data. Flash point expected to be greater than 200 F.

Explosion hazard : Product is not explosive.

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Reactivity : No dangerous reactions known under normal conditions of use.

### 5.3. Advice for firefighters

Firefighting instructions : Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Approved supplied-air respirator, in case of emergency. Wear suitable protective clothing, gloves and eye or face protection.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

### 6.4. Reference to other sections

No additionnel information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Use with adequate ventilation. Wash thoroughly after handling. Do not get in eyes. Avoid prolonged or repeated contact with skin. Do not breathe mist or vapor. Do not swallow.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : heat sources. Keep container tightly closed. Store between 50 F & 100 F.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No OSHA and ACGIH PEL's or TLV's for the listed ingredients of this product unless stated below:

NO DATA

### 8.2. Exposure controls

Personal protective equipment : Protective safety glasses or goggles. Chemically resistant gloves. Protective clothing. Possibly a face shield and or respiratory protection of the dependent type.

Hand protection : Chemical resistant gloves.

Eye protection : Use chemical resistant safety glasses or goggles. A face shield should be worn when the possibility exists for eye or face contact due to spraying liquid or airborne particles.

Skin and body protection : Wear long sleeves. Wear suitable protective clothing. Possibly a face shield.

Respiratory protection : Where excessive vapor, mist, or dust may result, use approved respiratory protection equipment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : No data available

Color : No data available

Odor : No data available.

Odor Threshold : No data available

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pH	: 6.2
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 1.10
Solubility	: Complete solubility in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Oxidizing agents, amphoteric metals, light metals. CORROSIVE ON ALUMINUM.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Nitrogen oxides. Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Oral LD50: > 2000 mg/kg (rat) Calculated

Dermal LD50: > 2000 mg/kg (rabbit) Calculated

Inhalation LC50: > 5 mg/l (Dust/Mist-rat) Calculated

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Nitrilotriacetate, trisodium salt CAS# 5064-31-3, IARC Group 2B, Possible carcinogen, < 0.25% by weight.
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Respiratory tract.
Aspiration hazard	: Not classified

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Symptoms/injuries after inhalation : See Section 4.  
Symptoms/injuries after skin contact : See Section 4.  
Symptoms/injuries after eye contact : See Section 4.  
Symptoms/injuries after ingestion : See Section 4.  
Chronic symptoms : See Section 4.

### SECTION 12: Ecological information

- 12.1. Toxicity**  
No Data
- 12.2. Persistence and degradability**  
No Data
- 12.3. Bioaccumulative potential**  
No Data
- 12.4. Mobility in soil**  
No Data
- 12.5. Other adverse effects**  
No Data

### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods**  
Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

### SECTION 14: Transport information

**14.1. UN number, proper shipping name, class and packaging group.:**

Domestic Ground Shipments

Not DOT Regulated by ground transportation per 49 CFR 173.154(d)

**14.2. Additional information**

### SECTION 15: Regulatory information

**15.1. US Federal regulations**

**TSCA Inventory:** The components of this product are listed.

**SARA Section 311/312, Hazard Category (40CFR 370.2):** Acute and Chronic health hazard.

**SARA Section 313, Toxic Release Reporting (40CFR Part372):** No listed substance over 1.0% or over 0.1% that are also carcinogenic.

**SARA Section 302, EHS Emergency Planning (40CFR Part 355):** No listed substance known over 1.0%.

**SARA Section 304, EHS Release Reporting (40CFR Part 355):** No listed substance known over 1.0%.

**CERCLA Section 102-103 HS Release Reporting (40 CFR par302-102a):** No listed substance known over 1.0%.

**15.2. International regulations**

No Data

**15.2.2. National regulations**

No Data

**15.3. US State regulations**

**California Prop. 65:**

Approximate quantities by weight

Nitrotriacetate, trisodium salt - CAS# 5064-31-3 - Cancer	< 0.25%
Propylene Oxide, CAS# 75-56-9, Cancer and Reproductive Harm	< 0.00005%
Ethylene oxide, CAS# 75-21-8, Cancer and Reproductive Harm	< 0.00005%

### SECTION 16: Other information

Other information :  
: None.

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NFPA health hazard	: 3
NFPA fire hazard	: 1
NFPA reactivity	: 0

### HMIS III Rating

Health	: 3
Flammability	: 1
Physical	: 0
Personal Protection	:

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