

**Section 1: PRODUCT AND COMPANY IDENTIFICATION****Product identifier**

**Product name:** Rapid Access Fixer

**Other means of identification**

**Product code:** 1838374FIX

**Synonyms** No information available

**Recommended use of the chemical and restrictions on use**

**Product Use:** Photographic chemical. Restricted to professional users.

**Uses advised against** No information available

**Details of the supplier of the safety data sheet****Supplier:**

Carestream Health, Inc., 150 Verona Street, Rochester, New York 14608 Carestream Health Canada, 8800 Dufferin Street, Suite 201, Vaughan, Ontario, L4K 0C5

**Emergency telephone number**

CHEMTREC: CHEMTREC Brazil: +(55)-2139581449

**Section 2: HAZARDS IDENTIFICATION****Most Important Hazards**

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Acute aquatic toxicity	Category 3
Chronic aquatic toxicity	Category 3

**Label elements****Signal word**

Warning

**hazard statements**

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H332 - Harmful if inhaled

H315 - Causes skin irritation

H320 - Causes eye irritation

H412 - Harmful to aquatic life with long lasting effects

### Precautionary Statements

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P270 - Do not eat, drink or smoke when using this product  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P330 - Rinse mouth  
P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P312 - Call a POISON CENTER or doctor if you feel unwell  
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 advice/attention  
P273 - Avoid release to the environment  
P501 - Dispose of contents/ container to an approved waste disposal plant

### Other Information

#### General Hazards

Dried product residue can act as a reducing agent. Drying of this product on clothing or combustible materials may cause fire  
Prolonged exposure may cause chronic effects May cause adverse thyroid effects Contact with a strong oxidizer or acid may liberate hydrogen cyanide gas.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture

Mixture

Chemical Name	CAS-No	Weight %
Water 7732-18-5	7732-18-5	60 - 65
Ammonium thiocyanate 1762-95-4	1762-95-4	25 - 30
Ammonium thiosulfate 7783-18-8	7783-18-8	10 - 15
Sodium bisulfite 7631-90-5	7631-90-5	0.1 - 1
Ammonium bisulfite 10192-30-0	10192-30-0	0.1 - 1

## Section 4: FIRST AID MEASURES

### First Aid Measures

#### General advice

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE. Show this material safety data sheet to the doctor in attendance. Do not breathe dust/fume/gas/mist/vapors/spray. If hydrogen cyanide gas is liberated due to contact with a strong oxidizer or acid, it may cause dizziness, headache, rapid respiration, rapid pulse, unconsciousness, convulsions and death.

#### Inhalation

Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

#### Skin contact

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately if symptoms occur.

**Ingestion** If swallowed, call a poison control center or doctor immediately. Do not induce vomiting without medical advice. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Rinse mouth.

**Protection of First-aiders** Use personal protective equipment.

**Most important symptoms and effects, both acute and delayed**

**Main Symptoms** Hives. Itching. Rashes. Difficulty breathing. Coughing and/ or wheezing.

**Indication of any immediate medical attention and special treatment needed**

**Notes to physician** Contact with a strong oxidizer or acid may liberate hydrogen cyanide gas. In the event that hydrogen cyanide gas is released, the local emergency ambulance/resuscitation service or physician should be informed that the patient may have been exposed to hydrogen cyanide gas.

## Section 5: FIRE FIGHTING MEASURES

**Suitable Extinguishing Media**

Dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Media** No information available.

**Specific extinguishing methods**

Evacuate area and fight fire from a safe distance.

**Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

**Specific hazards arising from the chemical**

Dried product residue can act as a reducing agent. Reacts violently with oxidizing materials. May cause spontaneous heating and ignition when absorbed on combustible, porous material (e.g. rags, paper, sawdust, cotton, clothing).

**Hazardous Combustion Products**

Carbon oxides, Nitrogen oxides (NOx), Sulfur oxides. Hydrogen cyanide.

**Explosive properties**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. For personal protection see section 8.

**Environmental precautions**

**Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Methods and material for containment and cleaning up**

**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### Methods for cleaning up

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

## Section 7: HANDLING AND STORAGE

#### Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Prevent the formation of vapors, mists and aerosols. Do not eat, drink or smoke when using this product. Keep from contact with oxidizing materials, highly oxygenated or halogenated solvents, organic compounds containing reducible functional groups. Drying of this product on clothing or combustible materials may cause fire.

#### Hygiene measures

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product. Regular cleaning of equipment, work area and clothing is recommended.

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

#### Technical measures/Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Store in original container. Do not allow evaporation to dryness.

#### Incompatible products

Acids. Sodium hypochlorite. Strong bases. Oxidizing agents. Halogenated compounds. Contact with a strong oxidizer or acid may liberate hydrogen cyanide gas. Contact with sodium hypochlorite (bleach) may form chloramine (toxic gas).

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

Chemical Name	Brazil	Chile	Argentina	Venezuela
Ammonium thiocyanate		Ceiling: 4.7 ppm Ceiling: 5 mg/m <sup>3</sup> Skin		
Sodium bisulfite			TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>

#### Appropriate engineering controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

#### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.

**Skin and body protection** Wear suitable protective clothing.

**Hand Protection** Impervious gloves.

**Respiratory protection** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Physical state

liquid

#### Appearance

Liquid

#### Color

clear colorless

#### Odor

Odorless

#### Odor Threshold

No information available

#### Property

#### Values

#### Remarks/ • Method

#### ph

5.4

No information available

#### Melting point/range:

No information available

<b>Boiling point/boiling range</b>	> 100 °C / 212 °F	No information available
<b>Flash Point</b>		No information available
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
<b>upper flammability limit</b>		No information available
<b>lower flammability limit</b>		No information available
<b>Vapor pressure</b>	22	No information available
<b>Vapor density</b>	0.4	No information available
<b>Specific Gravity</b>	1.12	No information available
<b>Water Solubility VALUE</b>	completely soluble	No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient: n-octanol/water</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available
<b>Softening point</b>		No information available
<b>VOC Content</b>		No information available
<b>Density VALUE</b>		No information available
<b>Bulk Density VALUE</b>		No information available

## Section 10: STABILITY AND REACTIVITY

### Reactivity

None under normal use conditions.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

Contact with a strong oxidizer or acid may liberate hydrogen cyanide gas. Contact with sodium hypochlorite (bleach) may form chloramine (toxic gas).

### Conditions to Avoid

Heat, flames and sparks.

### Incompatible Materials

Acids. Sodium hypochlorite. Strong bases. Oxidizing agents. Halogenated compounds. Contact with a strong oxidizer or acid may liberate hydrogen cyanide gas. Contact with sodium hypochlorite (bleach) may form chloramine (toxic gas).

### Hazardous Decomposition Products

Ammonia. Chloramine. Sulfur oxides. Nitrogen oxides (NOx). Cyanides. Carbon oxides.

## Section 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

##### **Inhalation**

Harmful by inhalation. Irritating to respiratory system. Contact with a strong oxidizer or acid may liberate hydrogen cyanide gas. If hydrogen cyanide gas is liberated due to contact with a strong oxidizer or acid, it may cause dizziness, headache, rapid respiration, rapid pulse, unconsciousness, convulsions and death. Contact with strong acids liberates sulfur dioxide. Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness and diarrhea.

Irritating to eyes.

##### **Eye contact**

Harmful in contact with skin. Irritating to skin.

##### **Skin contact**

### Ingestion

Harmful if swallowed. Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness and diarrhea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ammonium thiocyanate	500 mg/kg ( Rat ) Oral LD50 Rat 500 mg/kg (Source: IUCLID)	-	-
Ammonium thiosulfate	> 2000 mg/kg ( Rat )	-	-
Sodium bisulfite	1420 mg/kg ( Rat )	-	-

### Information on toxicological effects

#### Symptoms

Irritant. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Irritation

Irritating to eyes and skin.

#### Corrosivity

No information available.

#### Sensitization

May cause sensitization of susceptible persons.

#### mutagenic effects

No information available.

#### Carcinogenicity

Contains no ingredient listed as a carcinogen.

#### Reproductive toxicity

No information available.

#### Developmental Toxicity

May cause adverse thyroid effects. AMMONIUM THIOCYANATE: Overexposure to thiocyanates has been shown to cause thyroid enlargement, decrease in metabolic rate, and symptoms of hypothyroidism in humans and animals.

#### Chronic toxicity

No information available.

#### Subchronic toxicity

Eyes, Skin, Respiratory system, Thyroid, Central nervous system.

#### Target Organ Effects

No information available.

#### Neurological effects

No information available.

#### Other adverse effects

May cause adverse thyroid effects. Overexposure to thiocyanates has been shown to cause thyroid enlargement, decrease in metabolic rate, and symptoms of hypothyroidism in humans and animals.

### Numerical measures of toxicity - Product Information

#### Oral LD50

1741 mg/kg (ATE)

## Section 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sodium bisulfite			119: 48 h Daphnia magna mg/L EC50

#### Persistence and degradability

Expected to be readily biodegradable.

#### Bioaccumulation:

No information available.

#### Mobility

No information available.

#### Other adverse effects

No information available

## Section 13: DISPOSAL CONSIDERATIONS

**Waste from Residues / Unused Products** Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

## Section 14: TRANSPORT INFORMATION

The information given below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions. Please consult the product packaging for further details.

<b><u>IMDG/IMO</u></b>	Not regulated
<b><u>ICAO</u></b>	Not regulated
<b><u>ICAO/IATA</u></b>	Not regulated
<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>RID</u></b>	Not regulated
<b><u>ADR/RID</u></b>	Not regulated
<b><u>ADN</u></b>	Not regulated

For transportation information, go to: <http://ship.carestreamhealth.com>.

## Section 15: REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	Complies

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## Section 16: OTHER INFORMATION

**Revision Date** 2014-03-28

**Revision Note** Update of SDS.

**This material safety data sheet has been prepared according to Brazilian legislation and ABNT NBR 14725:2009**

**Disclaimer**

The information provided in this 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