

# Safety Data Sheet

Note: Read and understand Safety Data Sheet before handling or disposing of product.

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Material Identity:** CHLOR\*EXTRACT™  
**Synonym:** Extraction Solution  
**Product Use:** Surface Test Extraction Solution.  
**Manufacturer:** CHLOR RID International, Inc.  
3356 N. San Marcos Place #107  
Chandler AZ 85225  
**Emergency Number:** 800-422-3217, 480-821-0039

Revised: 05/2015

## 2. HAZARD IDENTIFICATION

**Physical Hazards:** None as defined by GHS Hazard Classification. **GHS Label:**

**Signal Word:** WARNING

**Hazard Statement:** Flush with water if product comes in contact with skin.  
See also Section 4.



**Effects of Overexposure:**

**Eye Contact:** Moderately irritating  
**Skin Contact:** May cause irritation on prolonged contact.  
**Ingestion:** May cause gastrointestinal irritation.  
**Inhalation:** None currently known

**Precautionary Statements:**

Wear protective gloves and eye/face protection.  
Do not eat or drink when using this product.  
Do not mix with other products.

Read the entire SDS for more thorough evaluation of precautions required.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**COMPOSITION:**

<b>Ingredients:</b>	<u>Range in %</u>
Proprietary Chemical Mixture:	<2
Other Non-Hazardous Materials:	>95

Specific chemical composition has been withheld as a trade secret. See 29 CFR 1910.1200 (i)(1)(iii)

#### 4. FIRST AID MEASURES

- Eyes:** Flush with plenty of water, occasionally lifting upper and lower eyelids. Remove contact lenses. Contact physician if irritation persists.
- Skin:** Flush effected area with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.
- Ingestion:** If ingested, wash out mouth with plenty of water. Do not induce vomiting unless directed by medical advice. Get medical attention. Do not give anything by mouth to an unconscious person.
- Inhalation:** Remove victim to fresh air and keep at rest in position comfortable for breathing. Get medical attention if symptoms occur.

#### 5. FIRE-FIGHTING MEASURES/ EXPLOSIVE HAZARDS

- Flash Point:** Does not flash
- Extinguishing Media:** Any appropriate media to local circumstances and surrounding media.
- Flammability Limits:** N/A
- Firefighting Instructions:** Wear self-contained breathing apparatus and protective suit.
- Unusual Fire & Explosive Hazards:** Prolonged contact with certain metals may generate minor amounts of hydrogen gas which can be diminished by quenching with large amounts of water.
- Hazardous By-Products:** None Known

- National Fire Protection Hazard Ratings- NFPA(R)**
- 1 Health Hazard- Slight
  - 0 Flammability- None
  - 0 Reactivity - Minimal



#### 6. ACCIDENTAL RELEASE MEASURE

**Procedure in case of accidental release, breakage or leakage: INFOTRAC 800-535-5053**

Wear appropriate protective clothing and/or equipment during cleanup. Dilute with water, neutralize with lime or soda ash, or a suitable non-combustible absorbent (sand, earth, vermiculite, diatomaceous earth) may be used. Remove contaminated absorbent, flush spill area with water.

Comply with local, state, and federal regulations for waste disposal. If permissible, flush to drain.

#### 7. HANDLING AND STORAGE

**Precautions to be taken in handling:** Minimize spillage. Use appropriate personal protective equipment (Section 8). Avoid contact with eyes, skin, and clothing. Workers should wash hands before eating, drinking, or smoking. Keep in the original container or suitable alternative. Keep containers sealed.

**Storage:** In accordance with local regulations. Keep lids tightly closed and away from heat. Store above 32F (0°C).

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Engineering Controls:** Use in ventilated areas.

### **Protective Equipment:**

**Eye/Face Protection:** Wear coverall chemical splash goggles.

**Skin Protection:** Personal protective equipment should be selected based on the task being performed and risks involved and approved by a specialist before use.

**Respiratory Protection:** Properly fitted air purifying or air fed respirator complying with an approved standard if risk assessment indicates this is necessary. Respirator should be selected based on known or anticipated exposure level, the hazards of the product and the safe working limits of the respirator.

**Hand Protection:** Material: Impervious gloves.

**Exposure Limit for Total Product:** 10 mg/m<sup>3</sup> TWA.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid  
**Odor:** Mildly of burnt sugar  
**Oxidizing Properties:** None  
**Boiling Point:** 100 C (approximately as water)  
**Specific Gravity:** 1.01(+/- 0.1)  
**pH:** 3.6 (+/- 0.3)  
**Vapor Pressure:** Vapor is water  
**Vapor Density:** Vapor is water  
**VOC Content:** Non detectable  
**Flash Point:** Non-flammable.  
**Solubility in Water:** Complete

## 10. STABILITY AND REACTIVITY

**Hazardous decomposition:** Hazardous decomposition will not occur.  
**Incompatibility with various materials:** Do not mix with other chemicals.  
**Hazardous polymerization:** Will not occur.  
**Storage:** Store out of direct contact with sunlight.

Do not use inconsistent with intended use. Keep out of reach of children and untrained users.

## 11. TOXICOLOGICAL INFORMATION

No toxicology data is available for this product.

**Carcinogenicity:** None of the components present in concentrations equal to or greater than 0.1% are listed as carcinogenic:

<u>OSHA</u>	<u>IARC</u>	<u>NTP</u>	<u>OTHER</u>	<u>NONE</u>
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## 12. ECOLOGICAL INFORMATION

**Environmental effects:** Readily biodegradable. No phosphates. Low or non-detectable bioaccumulation.

**Ecotoxicological information:** No exotoxicological information on this product.

### 13. DISPOSAL INFORMATION

Comply with local, state and federal regulations. If permissible, flush to drain. Otherwise drain to effluent remediation facility. Neutralize with lime or soda ash, if required, then flush with water.

Caution: Misuse of empty containers can be hazardous. Empty containers can be hazardous is used to store, toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep containers closed and drum bungs in place.

### 14. TRANSPORT INFORMATION

**Shipping Classification:** Specify as: Item No. 48580 – Sub 3 – Class 55

**UN Regulatory Information:**

<b>DOT Classification:</b>	Not regulated.
<b>TDG Classification:</b>	Not regulated.
<b>IMDG Class:</b>	Not regulated.
<b>IATA-DGR Class:</b>	Not regulated

### 15. REGULATORY INFORMATION

**Reportable Quantity (RQ):** No calculable reportable quantity for this product.

**CERCLA (Superfund) reportable quantity:** None

**TSCA Inventory Status:** This product is not listed and is exempt from the TSCA Chemical Substances Inventory.

**SARA Title III (Section 302/304):** Nonhazardous.

**SARA 313:** No ingredients listed. Product does not contain nor is manufactured with ozone depleting substances.

**CA Prop 675:** No known substances known to the State of California to cause cancer, birth defect, or reproductive harm.

**Canada:** WHIMIS Classification D2B.



### 16. OTHER INFORMATION

It is the responsibility of the buyer to maintain a safe workplace for the user. Personal protective rating to be supplied by user depending on use condition. The user should consider the health safety information contained herein as a guide and should take these precautions required in an individual operation to instruct employees and develop protective work procedures for a safe environment.

The information contained herein is, to the best of our knowledge, accurate based on data available at the time of publication. The company accepts no liability for damages incurred.

Nothing herein is to be construed as a warranty, expressed or implied. It is the responsibility of the user to determine the applicability of the information herein and suitability for its own particular purpose.

CHLOR RID International Inc	3356 N. San Marcos Place #107	Chandler, AZ	85225	USA
800-422-3217	480-821-0039		480-821-0364	fax

## SAFETY DATA SHEET

### 1. Identification of the product and of the company

Identification of the product Catalogue No.: **201SA**

Product name:

KITAGAWA GAS DETECTOR TUBE **CHLORIDE ION 201SA**

#### Manufacture/supplier identification

Company:

KOMYO RIKAGAKU KOGYO K.K.  
1-8-28 SHIMONOGE, TAKATSU-KU, KAWASAKI-CITY, KANAGAWA 213-0006, JAPAN  
TEL+81(0)44-833-8911  
FAX+81(0)44-833-2672

### 2. Chemical identification of ingredients

Detector tube:

Inert porous carrier material impregnated with Silver chromate and Potassium chromate sealed in a glass tube.

CAS NUMBER	INGREDIENTS	mg/Tube	%	SYMBOLS
7784-01-2	Silver chromate	<0.1	<0.1	Ag <sub>2</sub> CrO <sub>4</sub>
7789-00-6	Potassium chromate	<0.1	<0.1	K <sub>2</sub> CrO <sub>4</sub>

Hazardous information of ingredients

Exposure Limit

Short-term:

N/A- As impregnated on silica gel.

Long-term:

N/A- As impregnated on silica gel.

In our experience, there is no release of these chemicals from the glass tube in normal use.

### 3. Hazards identification

Hazards identification:

Glass hazard

### 4. First aid measures (in the case of contact with the contents of a broken tube.)

Skin contact:

Wash affected area with copious amount of water.

Eye contact:

Wash eyes immediately with copious amount of water or normal saline solution  
Ensure lift eyelids and rinse for at least 15 min. Seek medical attention.

Ingestion:

Seek medical attention immediately.

### 5. Fire fighting measures

Flash point:

Non-combustible

Extinguishing media:

All known extinguishants can be used.

Special fire fighting Procedures:

None

Unusual fire & Explosion hazards:

Negligible fire hazard when exposed to heat or flame.

## 6. Accidental release measures

Personal protection:

Do not pick up broken glass with bare hands if the tube is broken. Cover with inert absorbent such as vermiculite. Sweep up and contain for waste disposal.

## 7. Handling and storage

Handling & use:

Ensure the instructions for use are followed. Safety glasses and gloves should be worn to prevent injury from splintering glass.

Storage:

Keep away from direct sunlight and store at 25 degree C or lower.

## 8. Exposure control/personal protection

Respiratory protection:

Not applicable

Ventilation:

Not applicable

Other protective equipment:

Safety glasses and gloves

## 9. Physical/Chemical properties

Appearance:

Yellow and Brown solid layers sealed in a glass tube.

Boiling point:

Not applicable

Melting point:

Not applicable

Specific gravity (H<sub>2</sub>O=1):

Not applicable

Evaporation rate (BuOAc=1):

Not applicable

Solubility in water:

Not applicable

Vapour pressure:

Not applicable

Vapour density:

Not applicable

## 10. Stability and Reactivity

Stability:

Stable at under ambient temperatures and pressures.

Incompatibilities:

Not applicable

Hazardous decomposition products:

None

Hazardous polymerization:

None

### 11. Toxicological information

General:	In our experience this products is not harmful to health when correctly used/handled.
Skin contact:	Contents may be irritating to the skin if the tube broken.
Eye contact:	Contents may be irritating to the eyes if the tube broken.
Ingestion:	Glass hazard

### 12. Ecological information

General:	Do not allow to enter drinking water supplies.
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### 13. Disposal considerations

General:	Ensure the tubes are open at both end. Submerge in Water. Neutralize water if necessary and dispose of as aqueous waste. The glass tubes can then be disposed of as inert "sharps".
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### 14. Transport information

General:	This product does not pose significant risk to health, safety or property.
UN class:	Not applicable
UN No.:	Not applicable

### 15. Regulatory information

General:	Not classified hazardous under CHIP2 Regulations as this product consists of a sealed glass tube containing a small amount of chemicals impregnated onto Silica sand.
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### 16. Other information

Details given in this document are believed to be correct at the time of going to press. While proper care has been taken in the preparation of this document, but we cannot guarantee its accuracy or completeness, therefore we disclaim any liability for injury or damage when the product is used for other purposes than it is intended.