

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: Surface Extraction Solution
Relevant Identified Uses: Surface test extraction solution. No other uses recommended for this product.
Manufacturer: CHLOR RID International, Inc.
3356 N. San Marcos Place #107
Chandler, AZ USA 85225
Contact: office@chlor-rid.com

Emergency Number: 800-422-3217, +1-480-821-0039 Revised: 11/2016

2. HAZARD IDENTIFICATION

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

Signal Word: WARNING

Product classification: Mixture

Hazard Classification: Effects of overexposure

Eye Irritant 2: H319; Causes irritation.

Skin Irritant 2: H315; May cause irritation.

Ingestion: May cause gastrointestinal irritation.

Inhalation: None currently known



Precautionary Statements:

P102: Keep out of reach of children and untrained users.

P103: Read directions before use.

P280: Wear protective gloves and eye/face protection.

P264: Wash after handling the product.

P270: Do not eat or drink when using this product.

Do not mix with other products.

Environmental Hazards: None known. All components are readily biodegradable. (Section 12)

Other Hazards: Does not meet the criteria for PBT (Persistent, Bioaccumulative, & Toxic) or vPvB (very Persistent & very Bioaccumulative).

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION:

Ingredients:	<u>Range in %</u>
Proprietary Chemical Mixture:	<2
Other Non-Hazardous Materials:	>98

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

4. FIRST AID MEASURES

- Eyes:** P305+P351: Flush with plenty of water, occasionally lifting upper and lower eyelids. P338: Remove contact lenses. P313: Contact physician if irritation persists.
- Skin:** P303+P353: Flush effected area with plenty of water. P362: wash contaminated clothing before reuse.
- Ingestion:** P301+P330+P331: If ingested, wash out mouth with plenty of water. Do not induce vomiting unless directed by medical advice. P313: Get medical attention. Do not give anything by mouth to an unconscious person.
- Inhalation:** P304+P340: Remove victim to fresh air and keep at rest in position comfortable for breathing. P313: Get medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES

- Flash Point:** Does not flash
- Extinguishing Media:** Any appropriate media for local circumstances and surrounding media, generally water.
- Flammability Limits:** N/A
- Explosive Hazards:** None Known
- Firefighting Instructions:** Wear self-contained breathing apparatus (SCBA) 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 MEASURES

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

Personal precautions: Wear appropriate protective clothing and/or equipment during cleanup. (Section 8)

Environmental precautions and cleanup methods: Dilute with water, or isolate material and neutralize with lime or soda ash, or a suitable non-combustible absorbent (sand, earth, vermiculite, diatomaceous earth). Remove contaminated absorbent. Flush spill area with water.

Reference to other sections: Section 8.

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

7. HANDLING AND STORAGE

Precautions for safe handling: Minimize spillage. Use appropriate personal protective equipment (Section 8). Avoid contact with eyes, skin, and clothing. P264: Workers should wash hands before eating, drinking, or smoking.

Conditions for safe storage, including incompatibilities: P234: Keep in the original container or suitable alternative. P233: Keep containers sealed. Keep containers in a well-ventilated area. Keep container away from direct sunlight. Containers must be resealed after use and kept upright. Do not store in unlabeled containers.

Incompatible materials: Keep away from strong alkaline materials.

Storage temperatures: In accordance with local regulations. P233: Keep lids tightly closed and away from heat. Store above 32F (0°C).

Specific end uses: See relevant identified use in Section 1. Request Directions for use and technical data.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure & engineering controls: S51: Use in ventilated areas.

Protective Equipment:

Eye/Face Protection: P280: Wear safety glasses with side shields.

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: Rubber or latex gloves.

Protective Clothing Pictograms:



Exposure Limit for Total Product: 20 mg/m³ TWA.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid
Odor:	Mildly of burnt sugar
Odor Threshold:	None detected
Oxidizing Properties:	Product is not oxidizing
Boiling Point:	100 C (approximately as water)
Specific Gravity:	1.01(+/- 0.1)
pH:	3.5 (+/- 0.3)
Vapor Pressure:	Vapor is water
Vapor Density:	Vapor is water
VOC Content:	Non-detectable
Flash Point:	Non-flammable.
Upper/Lower Flammability:	Non-flammable

Solubility: In water, complete miscible
Partial coefficient: For n-octanol/water, no test data available.
Auto-Ignition Temperature: Non-flammable
Viscosity: 0.98 cP
Explosive properties: None

10. STABILITY AND REACTIVITY

Reactivity: Product is stable under normal conditions of use and storage.
Chemical stability: Hazardous decomposition will not occur under normal conditions of use and storage at normal ambient temperatures.
Conditions to avoid: Do not mix with other chemicals.
Hazardous polymerization: Will not occur
Hazardous decomposition products: Does not decompose when used as intended.
Storage: Store out of direct contact with sunlight.

Do not use inconsistent with relevant identified and intended use.

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

Toxicity: No information available.
Persistence and Degradability: No data available.
Environmental effects: Readily biodegradable. No phosphates. Low or non-detectable bioaccumulation.
Ecotoxicological information: No information available.
Bioaccumulative potential: No information available.
Mobility in soil: No data available.
Results of PBT and vPvB assessment: Does not meet the criteria for PBT (Persistent, Bioaccumulative, & Toxic) or vPvB (very Persistent and very Bioaccumulative)
Other adverse effects: None known.

13. DISPOSAL INFORMATION

P501: Comply with local, state, federal and international 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 should not be reused. Do not expose to open flame or heat. Keep containers closed with caps available.

14. TRANSPORT INFORMATION

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

UN Number: Not listed, neither for this mixture nor for substances therein.

UN Regulatory Information:

DOT Classification: Not regulated.

TDG Classification: Not regulated.

IMDG Class: Not regulated.

IATA-DGR Class: Not regulated

15. REGULATORY INFORMATION

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

CERCLA (Superfund) reportable quantity: None

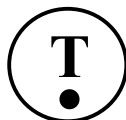
TSCA Inventory Status: This product is not listed and is exempt from the TSCA Chemical Substances Inventory.

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

Supplemental classification information not included in Section 3, or other Sections:

S 24 Avoid contact with skin

S 25 Avoid contact with eyes

In accordance with Regulation (EC) 1907/2006 (REACH), and with changes made to comply with Regulation (EU) 453/2010, Annex II.

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
800-422-3217

3356 N. San Marcos Place #107
480-821-0039

Chandler, AZ 85225 USA
480-821-0364 fax

MATERIAL SAFETY DATA SHEET

1. Identification of the product and of the company

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

Product name:

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

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

Distributor Identification

Company:

KITAGAWA AMERICA, LLC
200 WANAQUE AVENUE, SUITE 204, POMPTON LAKES, NEW JERSEY 07442, USA
TEL 973-616-5410
TEL 973-865-3407
FAX 973-616-5420

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 ₂ CrO ₄
7789-00-6	Potassium chromate	2.8	0.3	K ₂ CrO ₄

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.
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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 ₂ 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.

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".

14. Transport information

General: This product does not pose significant risk to health, safety or property.

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.

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.