



## Safety Data Sheet

### 1 – PRODUCT IDENTIFICATION

**PRODUCT NAME:**.....**RA9059**  
**PRODUCT NUMBER:** .....RA9059  
**DESCRIPTION:** .....Intended for Industrial Use  
**OTHER MEANS OF IDENTIFICATION:** .....Clear liquid, odorless.  
**RECOMMENDED USE:** .....Scale Inhibitor.  
**RESTRICTIONS ON USE:** .....Use only as directed.

**COMPANY:**..... CHEMTRON CORPORATION  
3500 Harry S. Truman Blvd  
St. Charles, MO 63301  
636-940-5445 (Mon-Fri., 8:00-4:00)  
www.chemtroncorporation.com

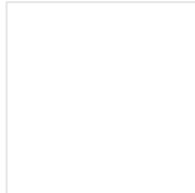
**EMERGENCY PHONE:** .....(800) 424-9300 (CHEMTREC)  
**REVISION DATE:**.....FEBRUARY 07, 2017

### 2 – HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:**.....Clear liquid, odorless. Use reasonable care in handling. Protect eyes, skin and avoid spills on clothing. Keep container tightly closed when not in use. Store in cool, dry area. Avoid excessive breathing of vapors. Maintain adequate ventilation.

**CLASSIFICATION 29 CFR 1910.1200:** .....Product is hazardous by OSHA criteria.

Corrosive To Metals, Category 1  
Acute Toxicity: Inhalation, Category 4  
Skin Corrosion/Irritation, Category 1A  
Serious Eye Damage/Eye Irritation, Category 1



**GHS SIGNAL WORD:** .....**Danger**

**GHS HAZARD STATEMENTS:**.....H290: May be corrosive to metals  
H314: Causes severe skin burns and eye damage.  
H318: Causes serious eye damage  
H332: Harmful if inhaled; Causes damage to respiratory system



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**GHS PRECAUTIONARY STATEMENTS:**.....P234: Keep only in original packaging.  
 P260: Do not breathe dust/fume/gas/mist/vapors/spray.  
 P264: Wash ... thoroughly after handling, wash gloves and contaminated surfaces.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection; when conditions warrant use, add face shield, apron, and/or rubber boots.  
 Absorb spillage to prevent material damage.  
 P271: Use only outdoors or in a well-ventilated area  
 P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately, call a doctor.  
 P363: Wash contaminated clothing 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 for 15 min. call a doctor.  
 P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P310: Immediately call a POISON CENTER/doctor/...  
 P321: Specific treatment (see ... on this label).  
 P405: Store locked up  
 P501: Dispose of contents/container in accordance with local state and federal regulations.

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
2-Phosphono-1,2,4-butanetricarboxylic acid	1-10	37971-36-1

The exact percent by weight of the ingredients in this formulation is proprietary.

### 4 – FIRST-AID MEASURES

**BREATHING (INHALATION):**...Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms are present.

**SWALLOWING (INGESTION):**..NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Rinse mouth thoroughly. Get medical attention.

**EYES:** .....Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions.

**SKIN (DERMAL):** .....Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

**ACUTE SYMPTOMS:**.....Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

**IMMEDIATE OR SPECIAL TREATMENT:** .....Wash with soap and water. Get medical attention if irritation develops or persists. Treat symptomatically and supportively.



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### 5 – FIRE-FIGHTING MEASURES

**FLASHPOINT:**.....Not Flammable.

**EXTINGUISHING MEDIA:**.....Water spray, fog or mist. Foam, carbon dioxide or dry powder.

**SPECIAL FIRE FIGHTING PROCEDURES:** .....Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

### 6 – ACCIDENTAL RELEASE MEASURES

**SPILL PROCEDURES:**.....Should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Collect and reclaim or dispose in sealed containers in licensed waste. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

**PERSONAL PRECAUTIONS:**....Wear protective clothing as described in Section 8 of this material safety data sheet. Follow precautions for safe handling described in this material safety data sheet.

### 7 – HANDLING and STORAGE

**STORAGE:** .....Store in tightly closed original container in a well-ventilated place. Store at temperature below 50°C. Do not store for extended periods below freezing point or in direct sunlight. IF FROZEN: once fully thawed, agitate container vigorously to ensure the product is homogeneous. Do NOT use container made of: Carbon steel. Store separated from: Alkalis. Cyanides. Reducing Agents.

**HANDLING:**.....Avoid spilling, skin and eye contact. Observe good chemical hygiene practices.

### 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMITS:** .....No exposure limits noted for ingredient(s).

**PROTECTIVE CLOTHING:** .....Chemical goggles, face shield, always wear eye protection when working with any chemical. Impervious gloves, clean body covering, rubber apron, rubber boots

**ADDITIONAL MEASURES:**.....No specific procedures noted, as always good personal hygiene practices are advisable, especially when working with chemicals. Wash contaminated clothing before reuse.



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### 9 – PHYSICAL / CHEMICAL PROPERTIES

**APPEARANCE:** .....Clear liquid.  
**ODOR:** .....Odorless.  
**BOILING POINT:** .....226 f (108 C)  
**VAPOR PRESSURE:**.....No data.  
**VAPOR DENSITY (AIR=1):** .....No data.  
**SPECIFIC GRAVITY:** .....1.12  
**pH:** .....3.6  
**SOLUBILITY IN WATER:** .....Miscible  
**FLAMMABILITY:** .....No data.  
**EVAPORATION RATE:**.....No data.

### 10 – STABILITY and REACTIVITY

**REACTIVITY:** .....Incompatible materials and excessive heat.  
**STABILITY:**.....Stable under recommended storage conditions.  
**HAZARDOUS POLYMERIZATION:** .....Product will not undergo polymerization.  
**INCOMPATIBILITY:** .....Strong oxidizing agents, Avoid contact with metal salts of sulfides and sulfites which could release toxic gases.  
**HAZARDOUS REACTIONS:** .....Possibility of hazardous reactions will not occur.  
**HAZARDOUS DECOMP:** .....Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### 11 – TOXICOLOGICAL INFORMATION

**LIKELY ROUTES OF EXPOSURE:** .....Skin and/or eye contact. Ingestion. Inhalation.  
**TOXICOLOGICAL CHARACTERISTICS:** .....No data available.  
**DELAYED EFFECTS:** .....No data available.  
**IMMEDIATE EFFECTS:** .....No data available.  
**CHRONIC EFFECTS:** .....No data available.  
**NUMERICAL MEASURES OF TOXICITY:** .....No data available.  
**LISTED CARCINOGEN:** .....No data available

INGREDIENTS	DATA
PBTC	Acute toxicity oral rat LD50 5000 mg/kg



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### 12 – ECOLOGICAL INFORMATION

**ENVIRONMENTAL FATE AND DISTRIBUTION:** No data available.

PRODUCT	DATA
RA9059	LC50 48 hr Cerodaphnia Dubia 1474ppm
	LC50 96hr Fathead minnow 3536 ppm

**PERSISTENCE AND DEGRADABILITY:** .....No data available.

**BIOACCUMULATIVE POTENTIAL:** .....This product is not expected to bioaccumulate.

**MOBILITY IN SOIL:**.....No data available.

**OTHER ADVERSE EFFECTS:** ..No data available.

### 13 –DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** .....Observe all federal, state, and local environmental regulations. Discarded product, as sold, would be considered a RCRA Characteristic Hazardous Waste as it meets the definition /characteristic of corrosivity. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Empty drums should be completely drained and properly bunged, then promptly returned to a drum reconditioner, or properly disposed of.

### 14 – TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:**.....Corrosive liquid, acidic, organic, n.o.s. (PBTC)

**HAZARD CLASS:** .....8,

**UN/NA NUMBER:** .....UN3265

**PACKAGING GROUP :** .....II



### 15 - REGULATIONS

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SRA Title III Chemical Listings:

**TSCA (Toxic Substance Control Act) STATUS:**.....All ingredients listed or exempt.

**SECTION 311/312:** .....Acute hazard

**SARA SECTION 313:**.....Not Listed.

**US EPA CERLA:** .....None of the ingredients are listed.



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### 16 – OTHER INFORMATION

#### NFPA HAZARD RANKING

HEALTH	FIRE	REACTIVITY	SPECIAL
2	0	0	

#### HMIS HAZARD RANKING

HEALTH	FIRE	REACTIVITY	PPE
2	0	0	

This data is offered in good faith and believed to be accurate, but it is for the users to satisfy themselves of the product suitability for their own purpose. There is no warranty expressed or implied. The recommended hygiene and safe handling procedures are believed to be generally applicable. The information given is designed only as a guidance. 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.