

SIC TECHNOLOGIES, INC.
P.O. BOX 93069 ATLANTA, GA. 30377

MATERIAL SAFETY DATA SHEET

I PRODUCT IDENTIFICATION

Manufacturer's Name SIC Technologies, Inc.
Address P. O. Box 93069 Atlanta, GA. 30377
Emergency Telephone **CHEM-TEL INC. 1-800-255-3924**
Trade Name **CHROMATE 5042**
Synonyms Trivalent Chromate

II HAZARDOUS INGREDIENTS

Material or Component	%	Cas. No.	Hazard Data
Nitric Acid	15	7697-37-2	2 ppm
Fluoride Salt	<5	1341-49-7	2 ppm

This products contains chemicals subject to the reporting requirements of Section 313 of the Emergency Planning Community Right-To-Know Act of 1986 and of 40 CFR 372.

HMIS: Health 3 Fire 0 Reactivity 2 Personal Protection D

III PHYSICAL DATA

Boiling Point 760 mmHg >220°F
Melting Point NA
Freezing Point <0°F
Vapor Pressure NA
Vapor Density NA
Specific Gravity/Wt.per gal. 1.12
Solubility in Water %By wt. 100
%Volatiles by wt. 0
Evaporation Rate (Butyl Acetate=1) Not Known
Appearance and odor Clear liquid. Slight acid odor.
pH <1

IV FIRE AND EXPLOSION DATA

Flash Point (test method)	NA
Autoignition Ignition Temperature	NA
Flammable Limits in % by Vol.	NA
Extinguishing Media	Water, CO ₂ , Dry Chemicals
Special Firefighting Procedures	NA
Unusual Fire and explosion Hazards	None

V. HEALTH HAZARD INFORMATION

Routes of Exposure

Inhalation: If misted will cause irritation to nose and throat.
Skin Contact: May cause irritation and redness.
Skin Absorption: Not absorbed.
Eye Contact: May cause irritation and redness. If not treated could cause burns and blindness.
Ingestion: May be irritating to throat and stomach.

EFFECTS OF OVEREXPOSURE

Acute Overexposure:
Will cause irritation and redness to skin, eyes, nose and throat. On prolonged contact will cause burns, blisters, and in eyes may cause blindness. If ingested can cause death.

Chronic Overexposure: None known

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush with water for 15 minutes. If burning or irritation persists see a doctor.
Skin: Flush with water for 15 minutes. If irritation persists see a doctor.
Inhalation: Remove to fresh air.
Ingestion: Induce vomiting if conscious. If unconscious get medical attention

Notes to Physicians:

VI. REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: None

INCOMPATIBILITY: Strong Alkalies, iron, or steel

HAZARDOUS DECOMPOSITION PRODUCTS:

Nitrous oxide fumes if iron is contacted.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None.

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Collect with acid absorbent material or flush to drain

NEUTRALIZING CHEMICALS: Caustic or soda ash.

WASTE DISPOSAL METHODS: The bath and the product should be neutralized to an acceptable pH and discarded. Soda ash or caustic may be used. Care should be taken since heat and steam may be produced especially when

VIII. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Good Ventilation.

SPECIFIC PERSONNEL PROTECTIVE EQUIPMENT;

Respiratory: None

Eyes: Safety glasses and face shield or chemical goggles.

Gloves: Rubber gloves.

Other clothing and equipment: Rubber apron, rubber boots

IX. SPECIAL PRECAUTIONS

Precautionary Statements:

Corrosive acid. Do not store with Alkalis. Do not allow to contact iron or steel.

Other Handling and Storage Requirements: Do not store material with alkaline materials.

Prepared by Wayne Chandler

Date: April 10, 2001

Flammable Limits in Air % by volume	Not Applicable
Extinguishing Media	Water, CO2
Special Firefighting Procedures	NA
Unusual Fire or Explosion Hazards	None

V. HEALTH HAZARD INFORMATION

Routes of Exposure

Inhalation:	Mildly irritating to nose and throat.
Skin Contact:	Mildly irritating to skin.
Skin Absorption:	Not absorbed
Eye Contact:	May cause slight irritation.
Ingestion:	May be slightly irritating to stomach and throat.

Effects of Overexposure

Acute Overexposure:	May cause irritation and redness to skin eyes, nose and throat on prolonged contact.
Chronic Overexposure:	None known

Emergency and First Aid Procedures

Eyes:	Flush with water for 15 minutes. If burning or irritation persist see a doctor.
Skin:	Flush with water for 15 minutes. If irritation persists see a doctor.
Inhalation	Remove to fresh air.
Ingestion:	Induce vomiting, if conscious. If unconscious get medical attention

Notes to Physicians: None

VI REACTIVITY DATA

Conditions Contributing to Instability:	None
Incompatibility:	Oxidizing Agents
Hazardous Decomposition Products:	None
Conditions Contributing to Hazardous Polymerization:	None

VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Collect and haul to a hazardous landfill

NEUTRALIZING CHEMICALS NA

WASTE DISPOSAL METHOD: The material can be flushed to the drain with no ill effects.

VIII INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Good ventilation

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

Respiratory: None

Eyes: Safety glasses

Gloves: Rubber gloves

Other Protective Clothing and Equipment: None

IX SPECIAL PRECAUTIONS

Precautionary Statements: Do not ingest.

Other Handling and Storage Requirements:

Store away from oxidizing agents

PREPARED BY: Wayne D. Chandler

DATE: September 23, 2002