



Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form approved
 OMB No. 1218-0072

IDENTITY (As Used on Label and List)
 TIVABRITE

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name KROHN TECHNICAL PRODUCTS, INC.	Emergency Telephone Number (201) 933-9696
Address (Number, Street, City, State, and ZIP Code) 303 VETERANS BOULEVARD	Telephone Number for Information (201) 933-9696
CARLSTADT, NEW JERSEY 07072	Date Prepared JULY 17, 2013
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
SODIUM CARBONATE CAS #497-19-8		10mg/m ³		

Section III — Physical/Chemical Characteristics

Boiling Point STABLE TO 2000°F	Specify Gravity (H ₂ O = 1) N/A
Vapor Pressure (mm Hg.) NONE	Melting Point NONE
Vapor Density (AIR = 1) NONE	Evaporation Rate (Butyl Acetate = 1) N/A
Solubility in Water 100%	
Appearance and Odor OFF YELLOW, SLIGHTLY YELLOWISH POWDER, NO ODOR	

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) NONE	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media PRODUCT DOES NOT BURN. USE MEDIA SUITABLE FOR SURROUNDING FIRE.			
Special Fire Fighting Procedures NON-COMBUSTIBLE MATERIAL WHICH IN ITSELF EXTINGUISHES FIRE			
Unusual Fire and Explosion Hazards NONE			

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid EXPOSURE TO STRONG ACIDS
	Stable	X	

Incompatibility (Materials to Avoid) **STRONG ACIDS**

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? **YES** Skin? **YES** Ingestion? **YES**

Health Hazards (Acute and Chronic) **ACUTE-IRRITATION OF THE EYES, INCLUDING CORNEAL OPACITIES. DUSTS AND MISTS MAY CAUSE SLIGHT SHORT-TERM LOCAL IRRITATION OF SKIN AND MUCOUS MEMBRANES. CHRONIC - MAY CAUSE INFLAMMATION OF THE MUCOUS MEMBRANES IN THE RESPIRATORY TRACT AND OF THE SKIN.**

Carcinogenicity: NTP? **NO** IARC Monographs? **NO** OSHA Regulated? **NO**

Signs and Symptoms of Exposure **IRRITATION OF SKIN AND MUCOUS MEMBRANES.**

Medical Conditions Generally Aggravated by Exposure **NONE KNOWN.**

Emergency and First Aid Procedures **INGESTION - DRINK COPIOUS AMOUNTS OF WATER. SKIN: WASH OFF WITH WATER, APPLY VINEGAR. RESPIRATORY - REMOVE VICTIM TO FRESH AIR. IF BREATHING STOPS, ADMINISTER ARTIFICIAL RESPIRATION. IF HCN FUMES HAVE BEEN INHALED, ADMINISTER AMYL NITRITE AND OXYGEN.**

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled **SWEEP UP POWDER AND WASH REMAINING RESIDUE WITH WATER.**

Waste Disposal Method **IF MATERIAL CANNOT BE SALVAGED, THE PREFERRED METHOD OF DISPOSAL IS IN A SECURE CHEMICAL LANDFILL IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS. EMPTY CONTAINERS MAY BE INCINERATED OR DISCARDED AS GENERAL TRASH.**

Precautions to Be Taken in Handling and Storing **STORE AWAY FROM STRONG ACIDS. PERSONAL PROTECTION AS**

DESCRIBED IN SECTION VIII.

Other Precautions **THE ABOVE APPLIES TO TIVABRITE BY ITSELF. ONCE MIXED WITH CYANIDE, ALL THE**

APPLICABLE SAFETY DATA FOR CYANIDE APPLIES.

Section VIII — Control Measures

Respiratory Protection (Specify, Type)		NOT REQUIRED	
STANDARD	Local Exhaust	NOT REQUIRED	Special N/A
	Mechanical (General)	NOT REQUIRED	Other N/A
Protective Gloves ORDINARY CLOTH GLOVES		Eye Protection SAFETY GLASSES	
Other Protective Clothing or Equipment		NONE	

Work/Hygienic Practices **SOILED CLOTHING SHOULD BE REMOVED AND LAUNDERED BEFORE REUSE. WASH THOROUGHLY WITH SOAP AND WATER AFTER USE.**