

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



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IDENTITY

SOLUTION AR-31

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

KOCOUR CO

Emergency Telephone Number

1-800-424-9300

Address (Number, Street, City, State, and ZIP Code)

4800 S. ST. LOUIS AVE.

Telephone Number for Information

1-773-847-1111**CHICAGO, IL 60632**

Date Prepared

01/26/2007

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommendec	% (optional)
BARIUM CHLORIDE-	(AS BARIUM)			25% (250g/l)
10326-27-9	0.5 mg/m3 OSHA TWA			
	0.5 mg/m3 ACGIH TWA			
	0.5 mg/m3 NIOSH RECOMMENDED TWA			
BARIUM CHLORIDE IS SUBJECT TO SARA SECTION 313 ANNUAL RELEASE REPORTING.				

WATER-

BALANCE

CAS# 7732-18-5

the pH IS APPROXIMATELY 5.0.

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H2O = 1)	< 1.00
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A

Solubility in Water

COMPLETE

Appearance and Odo

COLORLESS, ODORLESS SOLUTION

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NON FLAMMABLE LIQUID		N/A	N/A

Extinguishing Media

USE SUITABLE MEANS FOR SURROUNDING FIRE.

Special Firefighting Procedure

WEAR PROPER PERSONAL PROTECTION AND SELF CONTAINED BREATHING

APPARATUS FOR SURROUNDING FIRE.

Unusual Fire and Explosion Hazard

NO APPLICABLE INFORMATION FOUND.

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid NO APPLICABLE INFORMATION FOUND.
	Stable	XX	

Incompatibility (Materials to Avoid)
NO APPLICABLE INFORMATION FOUND.

Hazardous Decomposition or Byproducts
MAY RELEASE TOXIC FUMES UNDER FIRE CONDITIONS.

Hazardous Polymerization	May Occur		Conditions to Avoid NO APPLICABLE INFORMATION FOUND.
	Will Not Occur	XX	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? NO	Skin? YES	Ingestion? YES
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Health Hazards (Acute and Chronic)
SKIN CONTACT MAY CAUSE IRRITATION. EYE CONTACT

MAY CAUSE INJURY.

Carcinogenicity	NTP? NON CARCINOGENIC	IARC Monographs?	OSHA Regulated?
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Signs and Symptoms of Exposure
RED OR INFLAMED SKIN WITH A POSSIBLE BURNING SENSATION.

Medical Conditions
Generally Aggravated by Exposure OPEN CUTS OR SKIN ABRASIONS.

Emergency and First Aid Procedure
(SKIN & EYES) FLUSH WITH WATER 15 MINS; INCLUDING UNDER EYELIDS.
(INGESTION) INDUCE VOMITING AND SEEK IMMEDIATE MEDICAL ATTENTION.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled
CONTAIN SPILL AND ABSORB WITH AN INERT MATERIAL (ie; SAND).

HOLD FOR PROPER DISPOSAL.

Waste Disposal Method
ACCORDING TO FEDERAL STATE AND LOCAL REGULATIONS.

Precautions to be Taken in Handling and Storage
DO NOT STORE IN DIRECT SUNLIGHT. KEEP AT ROOM TEMPERATURE

WITH CAP TIGHTLY CLOSED.

Other Precautions
NO APPLICABLE INFORMATION FOUND.

Section VIII - Control Measures

Respiratory Protection (Specify Type)
NOT REQUIRED IN SOLUTION FORM. IF AIRBORNE, USE A NIOSH APPROVED RESPIRATOR

Ventilator	Local Exhaust ADEQUATE TO REDUCE EXPOSURE TO BELOW LIMITS LISTED IN SECTION II.	Special	
	Mechanical (General) NOT REQUIRED IN SOLUTION FORM.	Other	NO APPLICABLE INFORMATION FOUND.

Protective Gloves
ADEQUATE TO PROTECT THE SKIN. SAFETY GOGGLES

Other Protective Clothing or Equipment
LAB COAT OR APRON TO PROTECT THE CLOTHING.

Work/Hygenic Practices
WASH WITH SOAP & WATER AFTER USE. FOLLOW ESTABLISHED SAFETY POLICIES.