

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-27

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 Recommended	% (optional)
SODIUM CYANIDE-	5mg (CN) /m3	OSHA TWA- SKIN		3.00%
CAS# 143-33-9	5mg (CN) m3	ACGIH TWA- SKIN		
	5mg (CN) m3/ 10 minute	NIOSH		
	RECOMMENDED CEILING.			
WATER-				BALANCE
7732-18-5				

THE pH OF THE SOLUTION IS APPROXIMATELY 12.0.

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 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 Odor

COLORLESS SOLUTION WITH A BITTER ALMOND ODOR.

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 APPLIABLE INFORMATION FOUND.
	Stable	XX	

Incompatibility (Materials to Avoid)

ACID SOLUTIONS AND OXIDIZERS.

Hazardous Decomposition or Byproducts

IF COMBINED WITH ACIDS, TOXIC HYDROGEN CYANIDE GASES CAN BE RELEASED.

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? YES	Skin? YES	Ingestion? YES
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Health Hazards (Acute and Chronic)

SLIGHT SKIN CONTACT CAN CAUSE IRRITATION. CYANIDE CAN ALSO BE ABSORBED INTO THE BODY

THRU MINOR SKIN CUTS OR ABRASIONS. SODIUM CYANIDE IS ALKALINE AND CAN BE CORROSIVE

TO THE BODY TISSUE IT CONTACTS.

Carcinogenicity	NTP? SODIUM CYANIDE IS NON CARCINOGENIC	IARC Monographs?	OSHA Regulated?
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Signs and Symptoms of Exposure

RED OR INFLAMED SKIN WITH POSSIBLE HYPOTENSION AND SWEATING.

Medical Conditions

Generally Aggravated by Exposure OPEN CUTS OR SKIN ABRASIONS. PERSONS WITH RESPIRATORY , HEARD

OR LUNG CONDITIONS MAY ALSO AGGRAVATE THOSE CONDITIONS.

Emergency and First Aid Procedure

(INHALATION) REMOVE TO FRESH AIR (SKIN & EYES) FLUSH WITH WATER 15 MINS; INCLUDING UNDER

THE EYELIDS . (INGESTION) 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). PLACE IN A SUITABLE CONTAINER

AND HOLD FOR PROPER DISPOSAL. CLEAN CONTAMINATED AREA WITH BLEACH AND WATER.

Waste Disposal Method

ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions to be Taken in Handling and Storage

DO NOT STORE NEAR ACID OR OXIDIZING MATERIALS. KEEP OUT OF DIRECT SUNLIGHT AND STORE

AT ROOM TEMPERATURE WITH CAP TIGHTLY CLOSED.

Other Precautions

FOLLOW ESTABLISHED SAFETY POLICIES FOR SAFE HANDLING OF CYANIDE SOLUTIONS.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

NIOSH APPROVED RESPIRATOR ADEQUATE TO REDUCE EXPOSURE TO BELOW LIMITS LISTED

Ventilator	Local Exhaust IN SECTION II.	Special NO APPLICABLE INFORMATION FOUND.
	Mechanical (General) FUME HOOD	Other NO APPLICABLE INFORMATION FOUND.

Protective Gloves

ADEQUATE TO PREVENT SKIN CONTACT AND SAFETY GOGGLES & FACE SHIELD ARE RECOMMENDED

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.