

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-47

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 COMPANY

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)
HYDROCHLORIC ACID				0.85%

CAS# 7647-01-0

WATER

BALANCE

CAS# 7732-18-5

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 SLIGHT PUNGENT 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 SELF CONTAINED BREATHING APPARATUS AND PROPER PERSONAL PROTECTION FOR SURROUNDING

FIRE.

Unusual Fire and Explosion Hazard:

NONE KNOWN

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	XX	

Incompatibility (Materials to Avoid)

CYANIDE AND CAUSTIC SOLUTIONS.

Hazardous Decomposition or Byproducts

CAN RELEASE TOXIC CYANIDE FUMES IF SOLUTION IS IN CONTACT WITH CYANIDES.

Hazardous Polymerization	May Occur		Conditions to Avoid
	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)

SKIN CONTACT CAN CAUSE IRRITATION OR BURNS. PROLONGED CONTACT CAN CAUSE TISSUE DAMAGE. F

CONTACT CAN CAUSE PERMANENT DAMAGE.

Carcinogenicity	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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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 ABRASIONS.

Emergency and First Aid Procedure

(SKIN & EYES) FLUSH WITH PLENTY OF WATER 15 MINS; INCLUDING UNDER THE EYELIDS. (INGESTION) G

OR MILK TO DILUTE. 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 NEUTRALIZE WITH A SUITABLE AGENT (ie; BAKING SODA) TO A pH OF 7.0. ABSORB

INERT MATERIAL (ie; SAND, etc.) AND 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

STORE AWAY FROM CYANIDE AND CAUSTIC SOLUTIONS.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

NOT REQUIRED IN SOLUTION FORM.

Ventilator	Local Exhaust NOT REQUIRED	Special NO APPLICABLE INFORMATION FOUND
	Mechanical (General) NOT REQUIRED	Other NO APPLICABLE INFORMATION FOUND

Protective Gloves

ADEQUATE TO PROTECT THE SKIN.

Other Protective Clothing or Equipment

ADEQUATE TO PROTECT THE CLOTHING (ie; LAB COAT OR APRON).

Work/Hygenic Practices

SAFETY GOGGLES SHOULD BE WORN TO PROTECT THE EYES. WASH WITH SOAP & WATER AFTER USE