

## 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-9**

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)
SODIUM HYDROXIDE- CAS# 1310-73-2				0.40%
WATER -CAS# 7732-18-5				BALANCE

## Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> 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 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.

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)

ACID SOLUTIONS.

## Hazardous Decomposition or Byproducts

NO APPLICABLE INFORMATION FOUND.

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)

SODIUM HYDROXIDE IS CORROSIVE TO HUMAN TISSUE. IT CAN CAUSE SEVERE BURNS WHEN IN CONTACT

WITH THE SKIN. EYE CONTACT CAN CAUSE SEVERE PERMANENT INJURY.

Carcinogenicity	NTP? SODIUM HYDROXIDE IS 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 AND SKIN ABRASIONS.

## Emergency and First Aid Procedure

( SKIN &amp; EYES) FLUSH WITH WATER 15 MINS; INCLUDING UNDER THE EYELIDS.

(INGESTION) GIVE MILK OR WATER TO DILUTE 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 NEUTRALIZE WITH A SUITABLE AGENT TO A pH OF 7.0. ABSORB WITH AN INERT

MATERIAL (ie; SAND) 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 ACID 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	EYE PROTECTION

SAFETY GOGGLES

## Other Protective Clothing or Equipment

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

## Work/Hygenic Practices

WASH WITH SOAP &amp; WATER AFTER USE . FOLLOW ESTABLISHED SAFETY POLICIES.