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Material Safety Data Sheet

I. Product Identification

Trade Name **ABCOL[®] Uranine 40% Liquid**
Chemical Family Xanthene
Chemical Formula $C_{20}H_{10}Na_2O_5$
Color Index No 45350
Color Index Name Acid Yellow 73
CAS No 518-47-8
Revision Date 01/05/2009

II. Hazard Warning Label

Warning: May Cause Eye Irritation

Avoid contact with eyes and skin.
Wash thoroughly after handling.
Keep containers closed.

III. Hazardous Ingredients

Ingredients C.I. Acid Yellow 73
C.I. Water
Exposure Limits None Established

IV. Physical Data

Appearance Dark Amber Color
Odor None
Solubility in Water Complete

V. Fire and Explosion Data

Flash Point N/A
Flammable Units N/A
Extinguishing Media Water, Dry chemicals, CO2
**Special Procedures for
for Fire Fighting** Wear SCBA

NAPIM HMIS

H:1 F:0 R:0 P:F

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VI. Reactivity Data

Stability	Stable
Conditions to Avoid	Will precipitate with acids
Polymerization	Will not occur
Incompatibility	Oxidizing agents
Hazardous Decomposition	Burning will produce oxides of carbon, and nitrogen.

VII. Health Hazard Data

Effects of over exposure:	None documented.
Routes of Exposure:	
Inhalation: <u>X</u> Skin: <u>X</u> Ingestion: <u> </u> Eyes: <u>X</u>	
Signs and Symptoms of Overexposure	Not known
Medical Conditions	
Generally Aggravated by	
Exposure	None known
Carcinogenicity	
NTP: Test completed and awaiting audit	
IARC: No	
OSHA Regulated: No	
Toxicity Data	
Oral (Mouse)	LD50: 4738 mg/kg
Oral (Rat)	LD50: 6721 mg/kg
Dermal (Animal)	No Data
Inhalation (Animal)	No Data
Effects to Eyes (Animal) ...	Severely Irritating to eyes

VIII. Emergency And First Aid Procedure

Inhalation	If inhaled, move to fresh air. If breathing is difficult, give oxygen and get medical attention immediately.
Eye Contact	Flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention immediately.
Skin Contact	Wash affected areas thoroughly with soap and water. If develops, consult a physician.
Ingestion	If swallowed, dilute with water and induce vomiting. Get immediate medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

IX. Special Protection

Respiratory	NIOSH approved dust respirator - Moldex 2200
Exposure Limits	Nuisance particulates 10 MG/M3 total dust (ACGIH)
Ventilation	Local: <u>X</u> Mechanical: <u> </u>
Protective gloves	Plastic or Rubber gloves
Eye protection	Safety glasses with side shields
Other Protective Equipment	Apron, coverall to minimize skin contact

X. Special Precautions

In accord with good industrial practice, handle this product with care and avoid personal contact.

XI. Transportation Information

DOT Hazard	
Classification	N/A
DOT Proper Shipping Name	DOT Not Regulated
DOT Label	N/A
UN/NA Number	N/A
R.Q.	N/A

XII. Spill and Leak Procedures**Regulatory Waste:**

Description	Not hazardous according to 40 CFR Part 261.
R.Q.	None
Waste Disposal	Bury or incinerate according to federal, state and
	local regulations.
Drum disposal	Containers should be triple rinsed according
to federal	regulations.
Steps to be taken if	
material released or	
spilled	Wear appropriate safety equipment. Contain and
clean up	spill immediately, prevent from entering floor
drains.	
	Contain liquids using absorbants, sweep
powders	
	carefully minimizing dusting. Shovel all spill
	materials into disposal drum, follow disposal
	instructions. Scrub spill area with detergent,
flush	with copious amounts of water.

XIII. Regulatory Information

TSCA	In compliance
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OSHA Hazard Classification:

Acute: No	Chronic: No	Flammable: No
Reactive ...: No	Oxidizer: No	

XIV. Other information

The metals content of a typical batch is listed. There can be variations from batch to batch.

Cadmium < 1.0 ppm;	Chromium < 1.0 ppm;	Lead < 1.0
ppm;		
Mercury < 1.3 ppm;	Arsenic < 0.1 ppm;	Chlorides < 0.5%
Sulfate < 0.3%		

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