I. Product Identification

Trade Name: ABCOL® Uranine 40% Liquid
Chemical Family: Xanthene
Chemical Formula: C_{20}H_{10}Na_{2}O_{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
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
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: X  Skin: X  Ingestion: _  Eyes: X

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: X  Mechanical: _
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

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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