

<u>Resource</u>	<u>Trade Name</u>	<u>Order</u>
A34517LIOO	INTRACID RHODAMINE WT LIQUID	0205873

MATERIAL SAFETY DATA SHEET

=====

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

=====

PRODUCT NAME:	INTRACID RHODAMINE WT LIQUID	
IDENTIFICATION NUMBER:	A34517LIOO	DATE PRINTED: 08/20/97
PRODUCT USE/CLASS:	Xanthene dye	
SUPPLIER:		MANUFACTURER:
CROMPTON & KNOWLES COLORS INC.		CROMPTON & KNOWLES COLORS INC.
P.O. BOX 341		
READING, PA 19603		

24 HR. EMERGENCY TELEPHONE:	CHEMTREC 1-800-424-9300
-----------------------------	-------------------------

PREPARER: Health & Safety Dept,	PHONE: 610-582-8765,	PREPARE DATE: 08/20/97
---------------------------------	----------------------	------------------------

=====

SECTION 2 - COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

=====

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT% EQUAL TO
01	Trimellitic acid	528-44-9	2.6 %

-----EXPOSURE LIMITS-----

ITEM	ACGIH TLV-TWA	TLV-STEL	OSHA PEL-TWA	PEL-CEILING	TLV-TWA	COMPANY SKIN
01	N.E.	N.E.	N.E.	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

=====

SECTION 3 - HAZARDS IDENTIFICATION

=====

EMERGENCY OVERVIEW: Warning: Causes eye irritation. May cause skin irritation.

EFFECTS OF OVEREXPOSURE -	EYE CONTACT: Irritating to the eyes
EFFECTS OF OVEREXPOSURE -	SKIN CONTACT: May be irritating to the skin.
EFFECTS OF OVEREXPOSURE -	INHALATION: Not known.
EFFECTS OF OVEREXPOSURE -	INGESTION: Not known.
EFFECTS OF OVEREXPOSURE -	CHRONIC HAZARDS: Not known.
CARCINOGENICITY:	NTP - No, IARC - No, OSHA Regulated-No
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	Not known.

(Continued on Page 2)

=====

SECTION 3 - HAZARDS IDENTIFICATION

=====

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION EYE CONTACT

=====

SECTION 4 - FIRST AID MEASURES

=====

FIRST AID - EYE CONTACT: Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention

FIRST AID - SKIN CONTACT: Wash skin thoroughly with soap and water. Get medical attention if irritation develops.

FIRST AID - INHALATION: Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.

FIRST AID - INGESTION: Dilute with water and induce vomiting. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

=====

SECTION 5 - FIRE FIGHTING MEASURES

=====

FLASH POINT: N.A.

LOWER EXPLOSIVE LIMIT: N.A.

UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus and full protective equipment.

=====

SECTION 6 - ACCIDENTAL RELEASE MEASURES

=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate safety equipment. Contain and clean up spill immediately. Prevent from entering floor drains. Contain liquids using absorbents. Shovel all spills materials into disposal drums and follow disposal instructions. Scrub spill area with detergent and flush with copious amounts of water.

=====

SECTION 7 - HANDLING AND STORAGE

=====

HANDLING in accord with good industrial practice, handle with care and avoid personal contact. Containers should be triple rinsed, according to

(Continued on Page 3)

SECTION 7 - HANDLING AND STORAGE

Federal regulations and/or good waste management practice

STORAGE: Keep contains closed when not in use.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control air contaminants during the use of this product.

RESPIRATORY PROTECTION: None required under normal conditions. EXPOSURE

LIMITS: None have been established for this product.

EYE PROTECTION: Wear safety glasses with side shields or safety goggles.

SKIN PROTECTION: Wear chemical resistant rubber gloves and long sleeved clothing.

OTHER PROTECTIVE EQUIPMENT: Wear overalls, apron, or other protective clothing to avoid skin contact.

HYGIENIC PRACTICES: Avoid contact with eyes and skin. Avoid inhalation of mists and vapors. Wash thoroughly after handling. Keep containers closed when not in use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: N.A.	VAPOR DENSITY	: Is heavier than air
ODOR	: None	ODOR THRESHOLD	: N.D.
APPEARANCE	: Red liquid	EVAPORATION RATE:	Is slower than Butyl
SOLUBILITY /N H2O	: Miscible		Acetate
FREEZE POINT	: N.D,	SPECIFIC GRAVITY	: 1.13
VAPOR PRESSURE	: N.D.	pH @ 1.0	: 10.5
PHYSICAL STATE	: Liquid	VISCOSITY	: N.D.
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D.			

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Not known.

INCOMPATIBILITY: Not known.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning will produce oxides of carbon, nitrogen and/or sulfur.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

(Continued on Page 4)

=====
Identification Number: A34517LI00

Preparation Date: 08/20/97

Page 4
=====

SECTION 11 - TOXICOLOGICAL PROPERTIES
=====

HAZARDOUS COMPONENT TOXICOLOGICAL INFORMATION:

----- CHEMICAL NAME -----	LD50 -----	LC50 -----
Trimellitic acid	No Information	No Information

ADDITIONAL TOXICITY INFORMATION: None known.

=====

SECTION 12 - ECOLOGICAL INFORMATION

=====

ECOLOGICAL INFORMATION: No information is currently available.

=====

SECTION 13 - DISPOSAL CONSIDERATIONS

=====

DISPOSAL METHOD: Bury or incinerate according to federal, state, and local regulations. Not hazardous waste, as per 40 CFR 261.

CONTAINERS: Containers should be triple rinsed, according to federal regulations and/or good waste management practice.

=====

SECTION 14 - TRANSPORTATION INFORMATION

=====

DOT	PROPER SHIPPING NAME.: Not DOT Regulated		
DOT	TECHNICAL NAME: N.A.		
DOT	HAZARD CLASS: N.A.	HAZARD SUBCLASS: N.A.	
DOT	UN/NA NUMBER: N.A.	PACKING GROUP: N.A.	RESP. GUIDE PAGE: N.A
DOT	REPORTABLE QUANTITY: N.A.		
DOT	LABELS: N.A.		

DOT EMERGENCY RESPONSE INFORMATION: Keep unnecessary people away. Isolate area and deny entry. Stay upwind. Keep out of low areas. Call CHEMTREC at 1-800-424-9300 for emergency assistance.

=====

SECTION 15 - REGULATORY INFORMATION

=====

U.S. FEDERAL REGULATIONS: AS FOLLOWS

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

(Continued on Page 5)

=====
Identification Number: A34517L100

Preparation Date: 08/20/97

Page 5
=====

SECTION 15 - REGULATORY INFORMATION
=====

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME ----- CAS NUMBER WT/WT %

No SARA Section 313 components exist in this product.

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

-----CHEMICAL NAME-----

CAS NUMBER

Dye compound

Proprietary

Water

7732-18-5

Sodium chloride

7647-14-5

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

-----CHEMICAL NAME-----

CAS NUMBER

Dye compound

Proprietary

Water

7732-18-5

Sodium chloride

7647-14-5

CALIFORNIA PROPOSITION 65: No chemicals subject to reporting under California Proposition 65 exist in this product.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: D-2-B: CANADIAN EMERGENCY RESPONSE: For chemical emergencies in Canada, call CANUTEC at 1-613-996-6666.

U.S. TOXIC SUBSTANCES CONTROL ACTS (TSCA): All components of this product are included on the TSCA Section 8 Inventory.
(Continued on Page 6)

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1

PREVIOUS MSDS REVISION DATE: 04/09/96

REASON FOR REVISION: New ANSI Standard MSDS format. Product review.

OTHER PRODUCT INFORMATION:

This product has been certified by the National Sanitation Foundation International (NSF) to the requirements of ANSI/NSF Standard 60: Drinking Water Treatment Chemicals - Health Effects. Concentrations in drinking water are not to exceed 0.1ppb and the exposure is to be infrequent.

The suitability of this product for a specific application should be evaluated by a qualified hydrologist before use.

ADDITIONAL TOXICITY DATA:

Intracid Rhodamine WT Liquid was tested in a battery of in vitro and in vivo mammalian assays resulting in negligible, low levels of genotoxic activity even at very high concentrations. No evidence of in vivo genetic activity was observed either in terms of bone marrow micronuclei or sperm abnormalities. (G.R. Douglas et al, "Comparative Mammalian in vitro and in vivo studies on the mutagenic activity of Rhodamine WT", Mutation Research, 118, 1983, 117-125).

Intracid Rhodamine WT was positive in a salmonella/mammalian microsome assay (Nestmann and Kowbel, 1979). G. Douglas, as referenced, stated that impurities in the dye may have caused the mutagenic effects seen or alternatively the dye may be a point mutagen. Douglas further reported that taking the data altogether from his study, 11 ... Rhodamine WT appears not to represent a major genotoxic hazard".

References:

- 1) EPA letter, 8/2/88, Recommended Guidelines, effective through 4/7/90.
- 2) Gradient Corporation letter, 11/20/89, Risk Assessment.

ECOLOGICAL DATA

LC50 >320 mg/l rainbow trout (96 Hr).

LC50 170 mg/l daphnia magna.

No developmental abnormalities or toxicity to oyster larvae at 100 mg/l.

References and a Technical Bulletin are available upon request.

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined

(Continued on Page 7)

=====
Identification Number: A34517LI00

Preparation Date: 08/20/97

Page 7
=====

DISCLAIMER

=====
Crompton & Knowles warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the Material Safety Data Sheet for this product. Crompton Knowles makes no other express or implied warranty. In no case shall Crompton & Knowles be liable for consequential, special, or indirect damages resulting from the use or handling of this product.
=====

<END OF MSDS>

=====
Product: A34517LI00

Preparation Date:

=====
Label Information
=====

Product Name: INTRACID RHODAMINE WT LIQUID

Overview:

WARNING: CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

AVOID CONTACT WITH EYES AND SKIN. AVOID
INHALATION OF MISTS AND VAPORS. WASH THOROUGHLY
AFTER HANDLING. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

State Right-To-Know Data:

-----Hazardous Ingredients-----
TRIMELLITIC ACID

----- CAS#/TSRN -----
528-44-9

----- Non-Hazardous Ingredients -----
DYE COMPOUND
WATER
SODIUM CHLORIDE

----- CAS#/TSRN -----
NJ-TSRN 18881400-5646P
7732-18-5
7647-14-5

HMIS Ratings:

Health: 2
Flammability: 1
Reactivity: 1
Personal Protection: C