

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: RJSC S-Type™ Colloidal Dye EFFECTIVE DATE: 9/01/98 REVISED DATE: 11/17/05

I. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

MANUFACTURER:

A.T.G., Inc.
1407 NORTH GRAND, COLUMBIA, MO 65203
(314) 442-4821

EMERGENCY PHONE: 1-800 424-9300 (CHEMTREC)

SUPPLIER/DISTRIBUTOR:

RICHARD JAMES SPECIALTY CHEMICALS CORPORATION
24 RIDGE STREET
HASTINGS-ON-HUDSON, NY 10706

(914) 478-7500

PRODUCT NAME: S-Type Colloidal Dye
CHEMICAL FAMILY: Mixture
CHEMICAL NAME:
FORMULA: See Section III
MOLECULAR WEIGHT: (Mixture)
SYNONYMS: NONE
CAS # and NAME (Mixture) See Section III

HMIS Hazard Rating: Health 1 Fire 0 Reactivity 0

II. PHYSICAL DATA (On Typical Material)

BOILING POINT : ~100° C.
SPECIFIC GRAVITY (H2O = 1) : ~1.1 - 1.5
FREEZING POINT : ~ 0° C.
VAPOR PRESSURE AT 20 C. : < 17.5 mm Hg
VAPOR DENSITY AT ONE ATM, not applicable
EVAPORATION RATE AT 20 C. (but. acet. = 1): <1
SOLUBILITY IN WATER by wt : Miscible
APPEARANCE AND ODOR : Liquid; color of named pigment; slight amine odor
V.O.C. (g/l) : 101

III. INGREDIENTS

MATERIAL	%	CAS No.	TLV (Units)	HAZARD
Pigment(s) (dispersed)	~69.0	Trade Secret	None Established	See Section V
2 Amino 2 Methyl 1 Propanol	~ 2.0	124-68-5	None Established	See Section V
Acrylic Resins	~ 0.7- < 3.5	Trade Secret	None Established	See Section V
Diethylene Glycol	~ 3.5	111-46-6	None Established	See Section V
Epoxy Linkage	~ 7.0	Trade Secret	None Established	See Section V
Surfactants	~ 0.2	Trade Secret	None Established	See Section V
Defoamers	< 0.1	Trade Secret	None Established	See Section V
Water	~ 17.0	7732-18-5	n.a	n.a.

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Hastings-on-Hudson, NY 10706

EMERGENCY PHONE NUMBERS:
Monday - Friday, 9:00 a.m.- 5:30 p.m. CST: (314) 442-4821
24 hours: 1-800 424-9300 (CHEMTREC)

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IV. FIRE and EXPLOSION DATA; FIRE FIGHTING MEASURES

FLASH POINT (test method(s)):
not determined

FLAMMABLE LIMITS IN AIR, by volume:
LOWER: Not applicable (low-volatility aqueous system)
UPPER: Not applicable (low-volatility aqueous system)

EXTINGUISHING MEDIA:
Non-flammable (aqueous system): Use water spray, carbon dioxide or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES:
Use self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None.

V. HEALTH HAZARD DATA

TLV AND SOURCE:
None Established

EFFECTS OF SINGLE OVEREXPOSURE

SWALLOWING: Moderately toxic by ingestion in large volumes. May cause irritation of the mouth, throat and esophagus, with nausea and possible vomiting.

SKIN ABSORPTION: No evidence of adverse effects from available information.

INHALATION: Mist may cause irritation to mucous membranes.

SKIN CONTACT:
Brief contact is not irritating. Prolonged contact, as from clothing wet with material, may cause moderate irritation, experienced as discomfort.

EYE CONTACT:
Causes irritation and pain, seen as excess tearing and blinking with marked redness and blurred vision.

EFFECTS OF REPEATED OVEREXPOSURE
None known.

OTHER EFFECTS OF OVEREXPOSURE: None currently known.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE;
None currently known.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION
None currently known.

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VI. EMERGENCY AND FIRST AID PROCEDURES

SWALLOWING:

Do NOT induce vomiting. Obtain medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

SKIN:

Remove contaminated clothing and wash skin with soap and water. Wash clothing before reuse.

INHALATION:

Remove to fresh air. No emergency care anticipated.

EYES:

Immediately flush eyes thoroughly with water and continue washing for at least 15 minutes. Obtain medical attention, preferably from an ophthalmologist.

NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

VII. STABILITY and REACTIVITY

STABILITY:

Stable.

CONDITIONS TO AVOID:

None known.

INCOMPATIBILITY (materials to avoid):

None.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

None expected.

HAZARDOUS POLYMERIZATION:

Will not occur.

VIII. ACCIDENTAL RELEASE MEASURES AND DISPOSAL METHODS

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Collect into suitable container.

WASTE DISPOSAL METHOD:

Dispose of or incinerate in accordance with appropriate federal, state and local regulations.

IX. SPECIAL/PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type):

None expected to be needed.

VENTILATION:

Use local exhaust ventilation.

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PROTECTIVE GLOVES:
Rubber gloves.

EYE PROTECTION:
Safety glasses.

OTHER PROTECTIVE EQUIPMENT:
Eye bath.

X. SPECIAL PRECAUTIONS [HANDLING/STORAGE/USE]

WARNING: Causes severe eye and mild skin irritation. Avoid contact with eyes, skin and clothing. Do not swallow. Wash thoroughly after handling. Keep out of reach of children.

FOR INDUSTRY USE ONLY

OTHER PRECAUTIONS:
None

XI. REGULATORY INFORMATION

STATUS ON SUBSTANCE LISTS:
Concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations.

FEDERAL EPA

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4.

Components present in this product at a level that could require reporting under the statute are:

CHEMICAL	CAS NUMBER	Hazardous Substance (= > 1%) UPPER BOUND CONCENTRATION %
		NONE

SARA 302, 304, 311 and 312: Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TRQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355.

Components present in this product at a level that could require reporting under the statute are:

NONE

SARA 313: Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

Components present in this product at a level that could require reporting under the statute are:

NONE

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STATE RIGHT-TO-KNOW

CALIFORNIA Proposition 65: This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

MASSACHUSETTS 105 CMR 670.000 Right-to-know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level that could require reporting under the statute are:

CHEMICAL	CAS NUMBER	Hazardous Substance (= > 1%) UPPER BOUND CONCENTRATION % NONE
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PENNSYLVANIA Right-to-Know, Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.

Components present in this product at a level that could require reporting under the statute are:

CHEMICAL	CAS NUMBER	Hazardous Substance (= > 1%) UPPER BOUND CONCENTRATION % NONE
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TSCA INVENTORY STATUS

The ingredients of this product are on the TSCA inventory.

VOC's

101 g/L

OTHER REGULATORY INFORMATION:

EPA Hazard Categories: IMMEDIATE HEALTH HAZARD, DELAYED HEALTH HAZARD.

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The information contained in this Material Safety Data Sheet is offered in good faith as typical values and not as product specification(s); and is accurate and current to the best of Richard James Specialty Chemicals Corp.'s knowledge. No warranty, expressed or implied, is made. Information is offered solely for recipient's consideration, investigation and verification and should be reviewed by recipient in the context of intended product use. Buyer/user/recipient assumes the risk in use of the Material; and it is the responsibility of said entity(ies) to determine the suitability and completeness of information; to ensure proper use, and safety/health; and to determine that use is in accordance with applicable federal, state and local laws and regulations.