Material Safety Data Sheet
(ACID GREEN DYE LIQUID)

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ISO 9001 Registered

HMIS HEALTH:.....1
HMIS FLAMMABILITY: 0
HMIS REACTIVITY:.....0
PERSONAL PROTECTION: .....B

EMERGENCY NUMBER: 800-255-3924

SECTION 1 – IDENTIFICATION OF CHEMICAL PRODUCT

PRODUCT NAME:..... ACID GREEN DYE LIQUID
EFFECTIVE DATE:..... January 30, 2007
CHEMICAL FAMILY:..... Water Based Dye
FORMULA:..... Proprietary
CAS NUMBER:..... Blend

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	PEL
Green Dye	5 - 10	Conf.	None Established

The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Non-hazardous components may be listed at 3.0% or greater if not proprietary in nature. This is not intended to be complete compositional disclosure. Refer to section 14 for applicable states right to know and other regulatory information.

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE / ODOR:..... Dark Green Liquid / Mild Odor

SHORT TERM EXPOSURE: **GENERAL:** Liquid or vapors may be irritating to skin and eyes. **INHALATION:** High concentrations of vapor may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, possibly with chest pain and coughing. Headache, nausea, vomiting, dizziness, and drowsiness may occur. **EYES:** May cause mild to severe irritation experienced as discomfort or pain, excess blinking and tear production, possibly with marked redness and swelling of the conjunctiva. **SKIN:** Brief contact may cause slight irritation with itching and local redness. Prolonged contact, especially with concentrate, may cause more severe irritation, with discomfort or pain. **SWALLOWING:** May cause headache, dizziness, incorrdination, nausea, vomiting, diarrhea, and general weakness.

OSHA REGULATED:..... No

LISTED CARCINOGEN: ..... **NTA:** No
IARC MONOGRAPHS: No

POTENTIAL HEALTH EFFECTS

INHALATION: ..... Irritant
INGESTION:..... Irritant

SKIN (DERMAL): ..... Slight Irritant
OVER EXPOSURE EFFECTS: . Skin irritation develops slowly with prolonged contact with concentrate. Eye irritation develops immediately upon contact. Dye may stain skin.

SECTION 4 – FIRST AID MEASURES

FIRST AID: **SKIN CONTACT:** Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately. **EYE CONTACT:** Flush eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately. **INGESTION:** Give large amounts of fresh water or milk immediately. Do not give anything by mouth if person is unconscious or otherwise unable to swallow. If vomiting occurs, keep head below hips to prevent aspiration. Treat symptomatically and supportively. Seek medical attention immediately. **INHALATION:** Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Seek medical attention immediately. Qualified medical personnel should consider administering oxygen.

SECTION 5 - FIRE FIGHTING MEASURES

FLASHPOINT:..... Non-flammable liquid
EXTINGUISHING MEDIA:..... Determined by surrounding material. Water fog or spray, Foam, Dry Powder, Carbon Dioxide (CO2).
DECOMPOSITION PRODUCTS:..... From fire; Smoke, Carbon dioxide, & Carbon Monoxide
LOWER FLAME LIMIT:..... NA
HIGHER FLAME LIMIT:..... NA
UNUSUAL FIRE AND EXPLOSION HAZARDS:..... None Known
FIRE FIGHTING EQUIPMENT:..... Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CHEMTEL EMERGENCY NUMBER (24 Hour): **1-800-255-3924**
SPILL:..... In case of spillage, dilute with water to sewer if allowed by local and state regulations. If unable to wash product with water, absorb with inert material (sand or other approved material) and dispose of in accordance with applicable regulations.
RCRA STATUS: ..... None

Material Safety Data Sheet
(ACID GREEN DYE LIQUID)

SECTION 7 – HANDLING AND STORAGE

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND PROMPT REMOVAL OF MATERIAL FROM EYES, SKIN, AND CLOTHING.

HANDLING AND STORAGE: .. Store away from oxidizers or materials bearing a yellow "DOT" label.

PRECAUTIONARY MEASURES: ..... Provide fresh air ventilation during and after application. Close container after each use. Avoid contact with eyes, and prolonged contact with concentrate on skin. May dye skin yellow / orange. Wash skin with soap and water to remove dye. After handling this product, wash hands before eating, drinking, or smoking. If needed, take firstaid action shown in Section 4.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

GENERAL CONSIDERATIONS:
Consider the potential hazards of this material (see section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment.

EYE PROTECTION:..... Chemical safety goggles meeting the specifications of OSHA 29CFR 1910.133 / ANSI Standard Z87.1 should be worn whenever there is the possibility of splashing or other contact with the eyes. Wear safety glasses meeting the specifications of OSHA 29CFR 1910.133 / ANSI Standard Z87.1 where no contact with the eye is anticipated.

RESPIRATORY PROTECTION:..... Not normally needed. Use NIOSH approved vapor respirator if exposure is unknown or exceeds permissible limits. A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.

Use NIOSH / MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type of equipment for a given application. Observe respirator use limitations specified by NIOSH / MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

PROTECTIVE GLOVES:..... Wear impervious gloves
VENTILATION: ..... Local exhaust
MECHANICAL EXHAUST: ..... Use if needed.
LOCAL EXHAUST: ..... Recommended

VENTILATION NOTES: Provide natural or mechanical ventilation to control exposure levels below Airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design of exhaust systems.

THRESHOLD LIMIT VALUE: . None Established for this product.
PROTECTIVE EQUIPMENT:... HMIS PERSONAL PROTECTION; B: Safety Glasses, Gloves
The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / ODOR:..... Dark Green Liquid / Mild Odor
BOILING POINT: ..... 212°F
FREEZING POINT: ..... 32°F
VAPOR PRESSURE:..... ND
VAPOR DENSITY (AIR=1): ..... > 1
SPECIFIC GRAVITY: ..... 1.02 - 1.04
pH: ..... 7 - 9
SOLUBILITY IN WATER: ..... Complete

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:..... Stable
HAZARDOUS
POLYMERIZATION:..... Will not occur
POLYMERIZATION AVOID:... None
INCOMPATIBILITY:..... Oxidizers or Oxidizing Materials.
CONDITIONS TO AVOID:..... None known

SECTION 11 – TOXICOLOGICAL INFORMATION

EYE EFFECTS:
The eye irritation hazard is based on data from information supplied by raw material(s) supplier(s).
SKIN EFFECTS:
The skin irritation hazard is based on data from information supplied by raw material(s) supplier(s).
ACUTE ORAL EFFECTS:
The acute oral toxicity is based on data from information supplied by raw material(s) supplier(s).
ACUTE INHALATION EFFECTS:
The acute respiratory toxicity is based on data from information supplied by raw material(s) supplier(s).

TOXICOLOGY INFORMATION: Oral LD50 (Rat): 6721 mg/kg Oral LD 50 (Mouse): 4738 mg/kg
MUTAGENICITY: Not considered a mutagen. TERATOGENICITY: Not considered a teratogen.
PHOTODEGRADATION: This color is VERY photosensitive. When minimal amounts of color are used at levels only high enough to achieve the extended purpose (for example, in water tracing), color would be expected to dissipate rapidly in an open environment when exposed to sunlight.

Material Safety Data Sheet
(ACID GREEN DYE LIQUID)

SECTION 12 – ECOLOGICAL INFORMATION

Data from laboratory studies and from scientific literature is noted below if available.

ECOLOGICAL DATA: BOD timetable: Method used is BOD equivalent of EOEPA 405.1 (waste water method modified for dyes) 7 days: 65% 12 days: 68% 20 days: 100% TOXICITY in AQUATIC ORGANISMS: Average LC50 in tested species, 96 hours, > 2370. EFFECT on CHLORELLA SP (Algae) dye concentration 10 mg/l after 7 days; no growth retardation. No effect on egg development after 120 hours on Australorbis Glabratus (shellfish). Note: Further information is needed on both the mutagenicity of such dyes, and on the effects of long-term exposure in sensitive larval stages of aquatic organisms. PHOTODEGRADATION: This color is VERY photosensitive. When minimal amounts of color are used at levels only high enough to achieve the intended purpose (for example, in water tracing), color would be expected to dissipate rapidly in an open environment, exposed to sunlight.

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: ..... Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

SECTION 14- TRANSPORTATION INFORMATION

The data provided in this section is for information only. The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate regulations to properly classify your shipment for transportation.

PROPER SHIPPING NAME:..... D.O.T. NON-REGULATED - ACID GREEN DYE LIQUID
REPORTABLE QUANTITY:..... None
HAZARD CLASS AND LABEL: NON-REGULATED
UN NUMBER: ..... None
NA NUMBER: ..... None
PACKAGING SIZE:..... Drum & Bulk

SECTION 15 - REGULATORY INFORMATION

<u>SARA 311 CATEGORIES:</u>
EPA ACUTE:..... Yes (Eyes)
EPA CHRONIC: ..... No
EPA IGNITABILITY: ..... No
EPA REACTIVITY: ..... No
EPA SUDDEN RELEASE
OF PRESSURE: ..... No

CERCLA RQ VALUE:..... None
SARA TPQ: ..... None
SARA RQ:..... None
EPA HAZARD WASTE #:..... None
CLEAN AIR: ..... NA
CLEAN WATER:..... NA

Material Safety Data Sheet
(ACID GREEN DYE LIQUID)

SARA SECTION 313:..... No
NFPA HEALTH:..... 1
NFPA FLAMMABILITY:..... 0
NFPA REACTIVITY: 0
DEA Chemical Trafficking Act:.. No
TSCA STATUS: ..... All ingredients in this product are on the TSCA Inventory List.

SECTION 16 - ADDITIONAL INFORMATION

FOOT NOTES: ND - No Data Available NA - Not Applicable < = Less Than > = Greater Than

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Company Health and Risk Assessment Unit, PO Box 1519, Gretna, LA 70054-1519.

REVISION STATEMENT: Changes have been made throughout this Material Safety Data Sheet. Please read the entire document.

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