

TOTAL ALKALINITY INDICATOR

Product: R-0645

Section 1: PRODUCT INFORMATION

Chemical family: Organic dye solution.

Product uses: Chemical.

Supplier: Lowry & Associates, div. of Chem-Aquascience, Inc
Canadian Master Distributors for Taylor Technologies, Inc.
4-1151 Gorham Street
Newmarket, ON.
L3Y 8Y1
Tel: 905-836-0505
Fax: 905-895-4539.

Emergency Phone Number: Chemtrec 800-424-9300.

Manufacturer: Taylor Technologies Inc.
31 Loveton Circle
Sparks, MD USA 21152
Tel: 410-472-4340.

TDG classification: Not regulated.

WHMIS classification: Not controlled.

DSL status: Not available.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
	<1	NO HAZARDOUS INGREDIENTS	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: Balance: water (CAS# 7732-18-5).
(supplier).

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Odourless.
Dark green.

Odor threshold (ppm): Not applicable.

Vapour pressure (mmHg): 17

Vapour density (air=1): .6

Volatiles (%)

By volume: 99%

**Evaporation rate
(butyl acetate = 1):** Not available.

Boiling point (°C): 212F (100C)

Freezing point (°C): Not available.

pH: 8.5

Specific gravity @ 20 °C: 1

Solubility in water (%): Soluble.

Coefficient of water\oil dist.: Not available.

VOC: Not available.

Section 4: FIRE & EXPLOSION DATA

Flammability: Not flammable.

Conditions of flammability: Surrounding fire.

Extinguishing media: Carbon dioxide, dry chemical, foam.
Water spray.

Special procedures: Wear a positive-pressure, self-contained breathing apparatus and full protective equipment.

Auto-ignition temperature (°C): Not applicable.

Flash point (°C), method: Not applicable.

Lower flammability limit (% vol): Not applicable.

Upper flammability limit (% vol): Not applicable.

Explosion Data

Sensitivity to static discharge: Not applicable.

Sensitivity to mechanical impact: Not applicable.

Hazardous combustion products: Oxides of carbon (COx).

Explosive power: Not applicable.

Section 5: REACTIVITY DATA

Chemical stability: Stable under normal conditions.

Conditions of instability: Extreme temperatures.
Extreme heat.

Hazardous polymerization: Not available.

Incompatible substances: None known.

Hazardous decomposition products: See hazardous combustion products.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Ingestion and skin contact.

Effects of acute exposure

Eye contact: May cause irritation.

Skin contact: May stain skin.

Inhalation: May be harmful if inhaled.

Ingestion: May cause gastro–intestinal irritation.

Effects of chronic exposure: Pre–existing eye and skin disorders may be aggravated by exposure to this product.

LD50 of product, species & route: Not available.

LC50 of product, species & route: Not available.

Exposure limit of material: Not available.

Sensitization to product: Not available.

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



General work gloves to minimize skin contact.

Respiratory/Type:



Wear a NIOSH approved respirator if TLV is exceeded.

Eye/Type:



Safety glasses.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type:



Lab coat.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Ventilate adequately.

Leak/Spill: Absorb with inert material.
Wear appropriate protective equipment.
Place in appropriate container.

Waste disposal: Dispose of all waste in accordance with Local, State, and Federal regulations.

Handling procedures and equipment: Use adequate ventilation.

Wash thoroughly after using, particularly before eating or smoking.
Wear personal protective equipment appropriate to task.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.

Storage requirements: Keep out of direct sunlight.
Store in a cool and dry place.

Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

Skin contact: Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.

Eye contact: Immediately flush eyes with running fresh water for a minimum of 20 minutes.
Hold eyelids open during flushing. Obtain medical attention immediately.

Inhalation: Remove victim to fresh air.
If irritation occurs, consult a physician.

Ingestion: Obtain immediate medical attention.
Give large quantities of water to drink.
Never give anything by mouth to an unconscious person.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 9: ADDITIONAL INFORMATION

General note: This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

Data prepared by: Lowry & Associates, div. of Chem–Aquascience, Inc
Canadian Master Distributors for Taylor Technologies, Inc.
4–1151 Gorham Street
Newmarket, ON.
L3Y 8Y1
Tel: 905–836–0505
Fax: 905–895–4539.

Supplier MSDS date: 2009/08/07

This MSDS was generated by *Conform–Plus* Application Service. Visit us at www.netmsds.com.