

PHENOLPHTHALEIN INDICATOR

Product: R-1003T

Section 1: PRODUCT INFORMATION

Chemical family: Alcoholic organic dye solution.

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: Canutec 613-996-6666.
905-625-9117 (Monday - Friday 9 a.m. - 4 p.m.).

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

TDG classification: ISOPROPYL ALCOHOL
UN1219
Class 3
PG II.

WHMIS classification:
B2, D2B.



DSL status: Not available.

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
6359-83-7	< 1	PONTACHROME YELLOW FR	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
67-63-0	> 70	2-PROPANOL	200 PPM	5000 MG/KG RAT ORAL 3600 MG/KG MOUSE ORAL 6410 MG/KG RABBIT ORAL 12,800 MG/KG RABBIT DERMAL	53,000 MG/M3 MOUSE INHALATION 72,600 MG/M3 RAT INHALATION 16,000 PPM/8H RAT INHALATION
77-09-8	< 1	PHENOLPHTHALEIN	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

Section 3: PHYSICAL DATA

Physical state: Liquid.

Appearance & odor: Alcohol odour.
Colourless.
Clear

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): 33 kPa

Vapour density (air=1): 1.6

Volatiles (%)

By volume: 99%

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

Boiling point (°C): 82

Freezing point (°C): Not available.

pH: Not applicable.

Specific gravity @ 20 °C: 0.9

Solubility in water (%): Soluble.

Coefficient of water\oil dist.: Not available.

VOC: Not available.

Section 4: FIRE & EXPLOSION DATA

Flammability: Flammable.

Conditions of flammability: Vapours are heavier than air and may travel along the ground and be ignited by flames, sparks or other ignition sources at locations distant from the material handling point.
Heat, sparks and open flames.

Extinguishing media: Water spray.
Alcohol foam, dry chemical or carbon dioxide (CO₂).

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

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

Flash point (°C), method: Closed Cup.
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**Lower flammability
limit (% vol):** 2

**Upper flammability
limit (% vol):** 12

Explosion Data

Sensitivity to static discharge: Sensitive.

Sensitivity to mechanical impact: Not expected.

Hazardous combustion products: Not available.

Explosive power: Not available.

Section 5: REACTIVITY DATA

Chemical stability: Stable under normal conditions.

Conditions of instability: Direct sunlight.

Hazardous polymerization: Not available.

Incompatible substances: None known.

Hazardous decomposition products: Not available.

Section 6: TOXICOLOGICAL PROPERTIES

Route of entry: Eye contact, skin contact, skin absorption, inhalation and ingestion.

Effects of acute exposure

Eye contact: Irritant.

Skin contact: May cause dermatitis.
Irritant.
May stain skin.

Inhalation: May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Effects of chronic exposure: None known.

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Exposure limit of material: Not available for mixture, see the ingredients section.

Sensitization to product: Not available.

Carcinogenic effects: Phenolphthalein is a group 2B carcinogen as per IARC.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



Wear protective gloves.

Respiratory/Type: None required under normal use.




NIOSH approved respirator, if necessary.

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: Provide sufficient mechanical ventilation to maintain exposure below TLV.

Leak/Spill: Eliminate all sources of ignition.
Wear appropriate protective equipment.
Soak up with inert absorbent.
Transfer to an approved container for disposal or recovery.

Waste disposal: In accordance with municipal, provincial and federal regulations.

Handling procedures and equipment: Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Use adequate ventilation.
Wash thoroughly after using, particularly before eating or smoking.
Wear personal protective equipment appropriate to task.
Use proper grounding procedures.
Avoid contact with skin, eyes and clothing.
Do not take internally.
Launder contaminated clothing prior to reuse.

Storage requirements: Store away from incompatible materials.
Keep out of direct sunlight.
Keep containers tightly closed.
Keep away from heat, and ignition sources.
Store in a cool, dry and well ventilated area.
Grounding and bonding procedures should be observed during the transfer of this material and during the storage of opened containers.

Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

Skin contact: Wash with water for at least 15 minutes.
Get medical attention.

Eye contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical attention.

Inhalation: Remove victim to fresh air.
Treat symptomatically.
If breathing is difficult, obtain immediate medical attention.

Ingestion: Obtain immediate medical attention.
Give large quantities of water to drink.
Induce vomiting as directed by medical personnel.
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
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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.

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