

Product and Company Identification

Product Names:	Allophycocyanin Conjugation Kit	Catalog Number: D3-4500	Unit Size: 1 kit
	Allophycocyanin Conjugation Kit	Catalog Number: D3-4500-2	Unit Size: 1 kit
	R-phycoerythrin Conjugation Kit	Catalog Number: D5-4500	Unit Size: 1 kit
Manufacturer/Supplier	Columbia Biosciences 6440-D Dobbin Road Columbia, MD 21045 Phone: (443) 430-0403 Fax (443) 430-0407 Web: http://www.ColumbiaBiosciences.com		

Composition/ Information on Ingredients

Each Conjugation Kit includes:

- 1) Activated fluorescent protein (R-Phycoerythrin or Allophycocyanin) provided as a lyophilized powder. Upon reconstitution with 1 ml distilled, deionized water, the resulting solution is 3.8 mg phycoerythrin in 100 mM sodium phosphate (pH 7.4), 150 mM sucrose, 150 mM sodium chloride, and 0.01% sodium azide..
- 2) Dithiothreitol (DTT) at 1M concentration in ddH2O.
- 3) N-Ethylmaleimide (NEM) at 10mg/ml in DMSO.
- 4) Exchange Buffer -50 mM MES (pH 6.0), 2 mM EDTA
- 5) Storage Buffer -10 mM Tris (pH 8.2), 150 mM NaCl and 1mM pentachlorophenol

Handling and Storage

- Phycoerythrin is light and temperature sensitive. Store at 2-8°C and protect from long-term exposure to light. Do not freeze after resuspension.
- DTT -See Attached Supplement
- NEM -See Attached Supplement

Other Information

- Pentachlorophenol is not present above permissible liquid limits and is not available as an inhalant and sodium azide is not present in the mixture above 1%, therefore these materials are not considered hazardous, as defined in 29 CFR 1910.1200 (OSHA Hazard Communication Standard). Therefore, a Material Safety Data Sheet is not required. We recommend treating all chemicals with caution.

Dithiothreitol

Section 1. Chemical Product and Company Identification

Product Name Dithiothreitol (DTT)

Product no. 52105

Supplier

Columbia Biosciences
6440-D Dobbin Road
Columbia MD 21045
Tel: (443) 430-0403
Fax: (443) 430-0407

Manufacturer

Pierce
3747 N. Meridian Road
P.O. Box 117
Rockford, IL 61105
815.968.0747 or
1.800.874.3723
(815)968-7316 fax
www.thermo.com

In case of emergency CHEMTREC:
800.424.9300
OUTSIDE US:
703.527.3887

Synonyms 2,3-Butanediol, 1,4-dimercapto-, (R*,R*)-(9Cl); Cleland's reagent; D-threo-1,4-Dimercapto-2,3-butanediol; (R*,R*) -1,4-Dimercapto-2,3-butanediol; 1,4-Dithiothreitol; D-1,4-Dithiothreitol; Sputolysin; Threitol, 1,4-dithio-; 1,4Dimercapto-2,3-Butanediol; threo-2,3-dihydroxy-1,4-dithiobutane; DTT; No-Weigh™ DTT

Use of the substance/preparation Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.

Section 2. Composition, Information on Ingredients

Substance/preparation Ingredient name (DTT)
CAS number 3483-12-3 98 -100
EC number 222-468-7
Classification Xn; R22 Xi; R36/37/38

Section 3 Hazards identification

United States Review the most current and approved institutional guideline, protocol, standard operating procedure(s) and MSDS(s) for the proper handling of institutional materials/equipment associated with the use of this product.

Emergency overview Warning!
CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
CAUSES DAMAGE TO THE FOLLOWING ORGANS: MUCOUS MEMBRANES, RESPIRATORY TRACT, SKIN, EYES, CENTRAL NERVOUS SYSTEM.
MAY BE HARMFUL IF SWALLOWED.
Do not ingest. Avoid contact with skin and clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Target organs Causes damage to the following organs: mucous membranes, upper respiratory tract, skin, eyes, central nervous system (CNS).

Routes of entry Dermal contact.
Eye contact.
Inhalation.
Ingestion.

Potential acute health effects

<i>Eyes</i>	Irritating to eyes.
<i>Skin</i>	Irritating to skin.
<i>Inhalation</i>	Irritating to respiratory system.
<i>Ingestion</i>	Harmful if swallowed.

Potential chronic health effects

<i>Carcinogenic effects</i>	CARCINOGENIC EFFECTS: Classified None. by OSHA, None. by NIOSH. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available.
<i>Medical conditions aggravated</i>	Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or <i>by overexposure</i> many human organs.
<i>Over-exposure signs/symptoms</i>	Not available.

Europe

<i>Classification</i>	Xn; R22 Xi; R36/37/38
<i>Physical/chemical hazards</i>	Not applicable.
<i>Human health hazards</i>	Harmful if swallowed. Irritating to eyes, respiratory system and skin.
<i>Environmental hazards</i>	Not applicable. See toxicological Information (section 11)

Section 4. First aid measures**Notice to reader** ***Get immediate medical attention.*****Effects and symptoms**

<i>Inhalation</i>	Hazardous in case of inhalation (lung irritant).
<i>Ingestion</i>	Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Very hazardous in case of ingestion. May be fatal if swallowed.	
<i>Skin contact</i>	
<i>Eye contact</i>	Hazardous in case of eye contact (irritant).
<i>Aggravating conditions</i>	Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

First-Aid measures

<i>Inhalation</i>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<i>Ingestion</i>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.
<i>Skin contact</i>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
<i>Eye contact</i>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
<i>Notes to physician</i>	Not available.
<i>Protection of first-aiders</i>	Not available.

Section 5. Fire fighting measures

<i>Flammability of the product</i>	May be combustible at high temperature.
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<i>Flash Points</i>	Closed cup: 113°C (235.4°F).
<i>Fire hazards in presence of various substances</i>	Not available.
<i>Fire fighting media and instructions</i>	Use an extinguishing agent suitable for surrounding fires.
<i>Protective clothing (fire)</i>	Be sure to use an approved/certified respirator or equivalent.
<i>Hazardous thermal decomposition</i>	These products are carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ ..). <i>products</i>

Section 6. Accidental release measures

<i>Personal precautions</i>	Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
<i>Environmental precautions and clean-up methods</i>	Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.
<i>Small spill and leak</i>	Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Section 7. Handling and storage

<i>Handling</i>	Do not ingest. Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling.
<i>Storage</i>	Keep container tightly closed. Keep container in a cool, well-ventilated area.
<i>Intended Use</i>	Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.

Section 8. Exposure Controls, Personal Protection

<i>Engineering Controls</i>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
<i>Personal Protection</i>	
<i>Eyes</i>	Splash goggles.
<i>Body</i>	Lab coat.
<i>Hands</i>	Gloves.
<i>Respiratory</i>	Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits.
Protective Clothing	(Pictograms)

Section 9. Physical and chemical properties

<i>Odor</i>	Sulfurous. (Strong.)
<i>Molecular weight</i>	154.25 g/mole
<i>Molecular formula</i>	C ₄ H ₁₀ O ₂ S ₂
<i>Taste</i>	Not available.
<i>Solubility</i>	Easily soluble in cold water, hot water, diethyl ether, acetone.

Section 10. Stability and reactivity

Stability and Reactivity

	The product is stable.
<i>Conditions to avoid</i>	Not available.
<i>Materials to avoid</i>	Reactive with oxidizing agents, reducing agents, metals, alkalis, moisture.
<i>Hazardous polymerization</i>	Will not occur.
<i>Hazardous</i>	Not available.
<i>Decomposition Products</i>	

Section 11. Toxicological information

<i>Toxicity to Animals</i>	Dithiothreitol (DTT): ORAL (LD50): Acute: 400 mg/kg [Rat].
<i>Chronic Effects on Humans</i>	CARCINOGENIC EFFECTS: Classified None. by OSHA, None. by NIOSH. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for bacteria and/or yeast. Causes damage to the following organs: mucous membranes, upper respiratory tract, skin, eyes, central nervous system (CNS).
<i>Other Toxic Effects on Humans</i>	Hazardous in case of eye contact (irritant), of inhalation (lung irritant).
<i>Special Remarks on Toxicity to Animals</i>	Not available.
<i>Special Remarks on Chronic Effects on Humans</i>	Can cause CNS depression. Can cause gastrointestinal disturbances. Laboratory experiments have shown mutagenic effects.
<i>Special Remarks on Other Toxic Effects on Humans</i>	Exposure can cause nausea, headache and vomiting. Material is irritating to mucous membranes and upper respiratory tract.
<i>Carcinogenicity</i>	No known significant effects or critical hazards.
<i>Mutagenicity</i>	No known significant effects or critical hazards.
<i>Reproductive toxicity</i>	No known significant effects or critical hazards.

Over-exposuresigns/symptoms

<i>Inhalation</i>	No known significant effects or critical hazards. <i>Ingestion</i> No known significant effects or critical hazards.
<i>Skin</i>	No known significant effects or critical hazards.
<i>Target organs</i>	Causes damage to the following organs: mucous membranes, upper respiratory tract, skin, eyes, central nervous system (CNS).

Section 12. Ecological information

<i>Mobility</i>	Not available.
<i>Persistence/degradability</i>	Not available.
<i>Bioaccumulative potential</i>	Not available.
<i>Ecotoxicity</i>	Not available.

Section 13. Disposal considerations

<i>Waste Stream</i>	Not available.
<i>Methods of disposal</i>	The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times

comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

European waste catalogue (EWC) Not available.

Hazardous waste The classification of the product may meet the criteria for a hazardous waste

Section 14. Transport information

Contact the supplier for all information regarding the proper transportation method for this material.

Section 15. Regulatory information

Label Requirements

(Europe) Harmful if swallowed. R36/37/38-Irritating to eyes, respiratory system and skin.

HCS Classification Irritating material
Target organ effects

U.S. Federal Regulations TSCA 8(b) inventory: Dithiothreitol (DTT)
SARA 3021304/311/312 extremely hazardous substances: No products were found.
SARA 3021304 emergency planning and notification: No products were found.
SARA 3021304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution -chemical inventory -hazard identification: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311 : No products were found.
Clean air act (CM) 112 accidental release prevention: No products were found.
Clean air act (CM) 112 regulated flammable substances: No products were found.
Clean air act (CM) 112 regulated toxic substances: No products were found.

State regulations No products were found.

WHMIS (Canada) Class D-1B: Material causing immediate and serious toxic effects (TOXIC).
Class D-2B: Material causing other toxic effects (TOXIC).
CEPA DSL: Dithiothreitol (DTT)

International Regulations

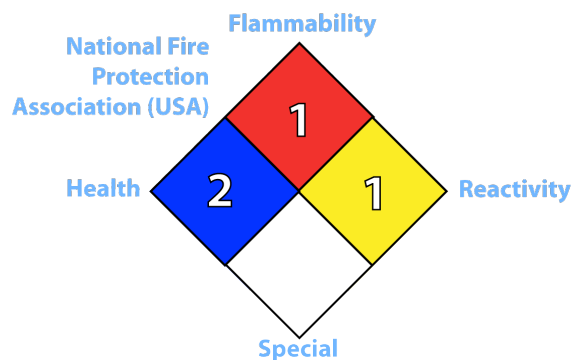
EINECS Not available.

DSCl (EEC) R22 Harmful if swallowed.
R 36/37/38-Irritating to eyes, respiratory system and skin.

Section 16. Other information

Hazardous Material Information System (USA)

Health	2
Fire Hazard	1
Reactivity	1
Personal Protection	C



References Not available.

Intended Use Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.

Section 1. Chemical Product and Company Identification

Product Name N-Ethylmaleimide (NEM)

Product no. 52109

Supplier

Columbia Biosciences
6440-D Dobbin Road
Columbia MD 21045
Tel: (443) 430-0403
Fax: (443) 430-0407

Manufacturer

Pierce
3747 N. Meridian Road
P.O. Box 117
Rockford, IL 61105
815.968.0747 or
1.800.874.3723
(815)968-7316 fax
www.thermo.com

In case of emergency CHEMTREC:
800.424.9300
OUTSIDE US:
703.527.3887

Section 2. Composition, Information on Ingredients

Substance/preparation Ingredient name N-Ethylmaleimide (NEM)
CAS number 128-53-0
EC number 204-892-4
Classification T+; R28, Xn; R21, C; R34, R43

Section 3. Hazards Identification

United States Review the most current and approved institutional guideline, protocol, standard operating procedure(s) and MSDS(s) for the proper handling of institutional materials/equipment with use of this product.

Emergency Overview Danger!
MAY BE FATAL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED.
CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS.
CAN CAUSE HERITABLE GENETIC EFFECTS.
FLAMMABLE SOLID.
CAUSES DAMAGE TO THE FOLLOWING ORGANS: MUCOUS MEMBRANES, RESPIRATORY TRACT, SKIN, EYES.
Do not ingest. Do not get in eyes, on skin or clothing. Do not breathe dust. Keep away from heat, sparks, and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Target organs Causes damage to the following organs: mucous membranes, upper respiratory tract, skin, eyes.

Routes of Entry Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eyes Corrosive to eyes.

Skin Very toxic in contact with skin. Corrosive to the skin.
Inhalation Very toxic by inhalation. Corrosive to respiratory system.
Ingestion Very toxic if swallowed. May cause burns to mouth, throat and stomach.

Potential chronic health effects

Carcinogenic Effects Data CARCINOGENIC EFFECTS: Classified None. by NIOSH.
 MUTAGENIC EFFECTS: Classified PROVEN for human.
 TERATOGENIC EFFECTS: Not available.
Medical Conditions Repeated exposure of the eyes to a low level of dust can produce eye irritation.
Aggravated by Repeated skin exposure can produce: local skin destruction, or dermatitis. Repeated
Overexposure: inhalation of dust can produce varying degree of respiratory irritation or lung damage.
Overexposure Repeated exposure to a highly toxic material may produce general deterioration of
/Signs/Symptoms health by an accumulation in one or many human organs. Not available.

Europe

Classification T+; R28
 Xn; R21
 C; R34
 R43

Physical/chemical hazards Not applicable.

Human health hazards Harmful in contact with skin.
 Very toxic if swallowed.
 Causes burns.
 May cause sensitization by skin contact.

Environmental hazards Not applicable.

Section 4. First Aid Measures

Notice to Reader Get immediate medical attention.

Effects and symptoms

Inhalation Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Over-exposure by inhalation may cause respiratory irritation.
Ingestion May be fatal if swallowed. May cause burns to mouth, throat and stomach.
Skin Contact Hazardous in case of skin contact (sensitizer). Corrosive. The amount of tissue damage depends on length of contact. Skin contact can produce inflammation and blistering.
Eye Contact Corrosive to eyes. Eye contact can result in corneal damage or blindness.

Aggravating conditions Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

First-Aid Measures

Inhalation In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

<i>Skin Contact</i>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
<i>Eye Contact</i>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
<i>Notes to Physician</i>	Not available.
<i>Protection of first-aiders</i>	Not available.

Section 5. Fire Fighting Measures

<i>Flammability of the Product</i>	May be combustible at high temperature.
<i>Flash Points</i>	Closed cup: 73°C (163.4°F).
<i>Fire Hazards in Presence of Various Substances</i>	Not available.
<i>Fire Fighting Media and Instructions</i>	Use an extinguishing agent suitable for surrounding fires. Not available.
<i>Protective Clothing (Fire)</i>	Be sure to use an approved/certified respirator or equivalent.
<i>Hazardous thermal (de)composition products</i>	These products are carbon oxides (CO, nitrogen oxides (NO, ...).

Section 6. Accidental Release Measures

<i>Personal precautions</i>	Splash goggles. Synthetic apron. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
<i>Environmental Precautions and Clean-up Methods</i>	Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.
<i>Small Spill and Leak</i>	Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Section 7. Handling and Storage

<i>Handling</i>	Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Do not breathe dust. Wash thoroughly after handling.
<i>Storage</i>	Keep container tightly closed. Keep container in a cool, well-ventilated area.
<i>Intended Use</i>	Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.
<i>Packaging materials Suitable / Not suitable</i>	Use original container.
<i>Czech Republic -Storage code</i>	III

Section 8. Exposure Controls/Personal Protection

<i>Engineering Controls</i>	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
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*Personal Protection**Eyes* Splash goggles.*Body* Lab coat.*Hands* Gloves.*Respiratory* Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits.

Protective Clothing

Section 9. Physical and Chemical Properties*Odor* Odorless.*Taste* Not available.*Molecular Weight* 125.14 g/mole*Molecular Formula* C₆H₇NO₂*Dispersion Properties* See solubility in water.*Solubility* Partially soluble in cold water, hot water.**Section 10. Stability and Reactivity***Stability and Reactivity* The product is stable.*Conditions to avoid* Not available.*Materials to avoid* Reactive with oxidizing agents, acids, alkalis.*Hazardous**Polymerization* Will not occur.*Hazardous**Decomposition Products* Not available.**Section 11. Toxicological Information***Toxicity to Animals* **MALEIC ACID N-ETHYLIMIDE:**ORAL (LD₅₀): Acute: 25 mg/kg [Rat]. 25 mg/kg [Mouse].DERMAL (LD₅₀): Acute: 500 mg/kg [Guinea pig].*Chronic Effects on* **CARCINOGENIC EFFECTS:** Classified None. by NIOSH.*Humans* **MUTAGENIC EFFECTS:** Classified PROVEN for human.

Causes damage to the following organs: mucous membranes, upper respiratory tract, skin, eyes.

Other Toxic Effects on Hazardous in case of eye contact (corrosive), of inhalation (lung corrosive).*Humans**Special Remarks on* Not available.*Toxicity to Animals**Special Remarks on* Not available.*Chronic Effects on**Humans**Special Remarks on* Not available.*Other Toxic Effects on**Humans**Carcinogenicity* No known significant effects or critical hazards.*Mutagenicity* No known significant effects or critical hazards.*Reproductive toxicity* No known significant effects or critical hazards.**Over-exposure****signs/symptoms***Inhalation* No known significant effects or critical hazards.

<i>Ingestion</i>	No known significant effects or critical hazards.
<i>Skin</i>	No known significant effects or critical hazards.
<i>Target organs</i>	Causes damage to the following organs: mucous membranes, upper respiratory tract, skin, eyes.

Section 12. Ecological Information

<i>Mobility</i>	Not available.
<i>Persistence/degradability</i>	Not available.
<i>Bioaccumulative potential</i>	Not available.
<i>Ecotoxicity</i>	Not available.
<i>Mobility</i>	Not available.
<i>Other adverse effects</i>	No known significant effects or critical hazards.

Section 13. Disposal Considerations

<i>Waste Stream</i>	Not available.
<i>Methods of disposal</i>	The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
<i>European waste catalogue (EWC)</i>	Not available.
<i>Hazardous waste</i>	The classification of the product may meet the criteria for a hazardous waste

Section 14. Transport Information

Contact the supplier for all information regarding the proper transportation method for this material.

Section 15. Regulatory Information

<i>Label Requirements (Europe)</i>	R28-Very toxic if swallowed. R21-Harmful in contact with skin. R34-Causes burns. R43-May cause sensitization by skin contact. S26-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of [***]. S36/37/39-Wear suitable protective clothing, gloves and eye/face protection. S45-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<i>HCS Classification</i>	Highly toxic material Corrosive material Target organ effects
<i>U.S.Federal Regulations</i>	TSCA 8(b) inventory: MALEIC ACID N-ETHYLIMIDE SARA 3021304/311/312 extremely hazardous substances: No products were found. SARA 3021304 emergency planning and notification: No products were found. SARA 3021304/311/312 hazardous chemicals: MALEIC ACID N-ETHYLIMIDE. SARA 311/312 MSDS distribution -chemical inventory -hazard identification: MALEIC ACID N-ETHYLIMIDE: Fire hazard, Delayed (Chronic) Health Hazard. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311 : No products were found. Clean air act (CM) 112 accidental release prevention: No products were found.

Clean air act (CM) 112 regulated flammable substances: No products were found.
 Clean air act (CM) 112 regulated toxic substances: No products were found.

State regulations No products were found.

WHMIS (Canada) Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
 Class D-2B: Material causing other toxic effects (TOXIC).
 CEPA DSL: MALEIC ACID N-ETHYLIMIDE

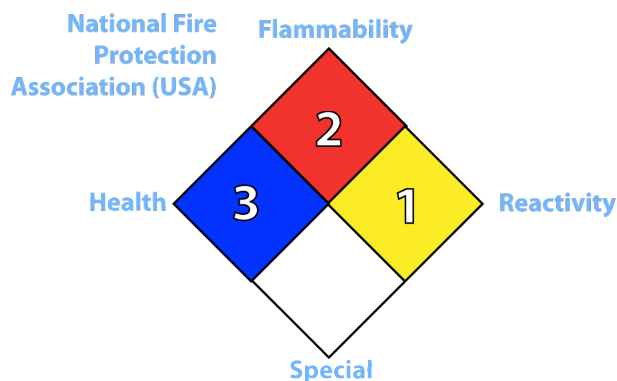
International Regulations

EINECS Not available.
DSCL (EEC) R28 - Very toxic if swallowed.
 R21 - Harmful in contact with skin
 R34 - May cause sensitization by skin contact

Section 16. Other information

**Hazardous Material
Information System
(USA)**

Health	3
Fire Hazard	2
Reactivity	1
Personal Protection	C



References Not available.

Intended Use Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.