

Conforms to 93/112/EC and ISO 11014-1

Responsible Name MSDS Administrator

? **Section 1. Chemical Product and Company Identification**

Product Name **Krypton™ Protein Stain**

Product no. 46628 46629 46630 1901635

<b>Supplier</b>	<i>In USA:</i> Pierce P.O. Box 117 Rockford, IL 61105 USA 815.968.0747 or 1.800.874.3723	<i>In Europe:</i> Perbio Science Industriezone III Industrielaan 27 9320 Erembodegem-Aalst Belgium Tel:+32 53 83 44 04 Fax:+32 53 83 76 38	<b>Manufacturer</b>	Pierce Biotechnology P.O. Box 117 Rockford, IL 61105 USA 815.968.0747 or 1.800.874.3723
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*In case of emergency* CHEMTREC:  
800.424.9300  
OUTSIDE US:  
703.527.3887

*Print date* 5/3/2006  
*Validation date* **4/28/2006**  
*MSDS#* 7435

*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** : Preparation

<u>Ingredient name</u>	<u>CAS number</u>	<u>%</u>	<u>EC number</u>	<u>Classification</u>
Ingredient #6		3 - 5		Xn; R22
Ingredient #4		3 - 5		F; R11
Ingredient #2		1 - 3		R10 C; R35

 **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** Danger!  
CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS.  
BIRTH DEFECT HAZARD  
CONTAINS MATERIAL WHICH CAN CAUSE BIRTH DEFECT.  
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS:  
BLOOD, KIDNEYS, NERVOUS SYSTEM, REPRODUCTIVE SYSTEM, LIVER,  
MUCOUS MEMBRANES, HEART, CARDIOVASCULAR SYSTEM, RESPIRATORY  
TRACT, SKIN, , CENTRAL NERVOUS SYSTEM, EYE, LENS OR CORNEA, TEETH.  
SUSPECT CANCER HAZARD  
CONTAINS MATERIAL WHICH MAY CAUSE CANCER  
MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR IF SWALLOWED.  
Do not ingest. Do not get in eyes, on skin or clothing. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Risk of cancer depends on duration and level of exposure. Avoid exposure during pregnancy.

**Target organs** Contains material which causes damage to the following organs: blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, heart, cardiovascular system, upper respiratory tract, skin, , central nervous system (CNS), eye, lens or cornea, teeth.

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

**Potential acute health effects**

**Eyes** Corrosive to eyes.  
**Skin** Harmful in contact with skin. Corrosive to the skin.

**Continued on Next Page**

*Inhalation* Corrosive to the respiratory system.

*Ingestion* Harmful if swallowed. May cause burns to mouth, throat and stomach.

Potential chronic health effects

*Carcinogenic effects*

**CARCINOGENIC EFFECTS:** Classified 2 (Reasonably Anticipated To Be Human Carcinogens.) by NTP [Ingredient #6]. Classified None. by OSHA, None. by NIOSH [Ingredient #6]. Classified None. by NIOSH [Ingredient #4]. Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [Ingredient #4]. Classified None. by OSHA, None. by NIOSH [Ingredient #1].

**MUTAGENIC EFFECTS:** Classified POSSIBLE for human [Ingredient #5]. Classified POSSIBLE for human [Ingredient #6]. Classified PROVEN for human [Ingredient #4]. Mutagenic for mammalian somatic cells. [Ingredient #4]. Classified POSSIBLE for human [Ingredient #2].

**TERATOGENIC EFFECTS:** Classified POSSIBLE for human [Ingredient #5]. Classified POSSIBLE for human [Ingredient #6]. Classified PROVEN for human [Ingredient #4].

*Medical conditions aggravated by overexposure*

Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

*Over-exposure signs/symptoms*

Not available.

**Europe**

**Classification** Xi; R36/38

*Physical/chemical hazards* Not applicable.

*Human health hazards* Irritating to eyes and skin.

*Environmental hazards* Not applicable.

See toxicological Information (section 11)

## **+ Section 4. First aid measures**

**Notice to reader** Get immediate medical attention.

**Effects and symptoms**

*Inhalation* Slightly hazardous in case of inhalation (lung corrosive).

*Ingestion* Hazardous in case of ingestion.

*Skin contact* Sensitization of the product: Not available.

Very hazardous in case of skin contact (irritant). Hazardous in case of skin contact (permeator). Slightly hazardous in case of skin contact (corrosive). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

*Eye contact* Hazardous in case of eye contact (irritant). Slightly hazardous in case of eye contact (corrosive).

*Aggravating conditions* 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* If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

*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 if symptoms appear.

*Skin contact* 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.

*Eye contact* In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

*Notes to physician* Not available.

*Protection of first-aiders* Not available.

## **Section 5. Fire fighting measures**

*Flammability of the product* Non-flammable.

*Flash Points* Not applicable.

*Fire hazards in presence of various substances* Not applicable.

*Fire fighting media and instructions* Use an extinguishing agent suitable for surrounding fires.

*Protective clothing (fire)* Not applicable.

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## Section 6. Accidental release measures

**Personal precautions** Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Environmental precautions and clean-up methods** Absorb with an inert material and put the spilled material in an appropriate waste disposal. **Neutralize the residue with a dilute solution of sodium carbonate.**

**Small spill and leak** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: **Neutralize the residue with a dilute solution of sodium carbonate.**

## ◇ Section 7. Handling and storage

**Handling** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Storage** Keep container tightly closed. Keep container in a cool, well-ventilated area.

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

**Packaging materials**

**Suitable / Not suitable** Use original container.

## Section 8. Exposure Controls, Personal Protection

**Engineering Controls** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the workstation location.

Exposure Limit Values	
Ingredient Name	Occupational Exposure Limits
<b>United States</b>	
Ingredient #4	ACGIH TLV (United States, 2000). TWA: 1880 mg/m <sup>3</sup> 8 hour(s). NIOSH REL (United States, 2000). TWA: 1900 mg/m <sup>3</sup> 10 hour(s). OSHA PEL (United States, 1971). TWA: 1900 mg/m <sup>3</sup> 8 hour(s). OSHA (United States, 0/1989). CEIL: 7600 ppm OSHA PEL 1989 (United States, 1989). TWA: 1900 mg/m <sup>3</sup> 8 hour(s). MSHA (United States). TWA: 1900 mg/m <sup>3</sup>
Ingredient #2	ACGIH (United States, 0/2000). TWA: 10 ppm STEL: 15 ppm MSHA (United States). TWA: 25 mg/m <sup>3</sup> OSHA (United States, 0/1989). TWA: 10 ppm STEL: 37 ppm NIOSH (United States, 0/1998). TWA: 10 ppm STEL: 15 ppm TWA: 10 ppm STEL: 15 ppm
<b>Sweden</b>	
Ingredient #4	AFS (Sweden, 0/1996). KTV: 1900 mg/m <sup>3</sup> NGV: 1000 mg/m <sup>3</sup>
Ingredient #2	AFS (Sweden, 0/1996). NGV: 5 ppm TGV: 10 ppm
<b>Denmark</b>	

Continued on Next Page

Ingredient #4

**DK-Arbejdstilsynet (Denmark, 0/1996).**

GV: 1900 mg/m<sup>3</sup>

Ingredient #2

**DK-Arbejdstilsynet (Denmark, 0/1996).**

GV: 10 ppm

**Norway**

Ingredient #2

**N-Arbejdstilsynet (Norway, 0/1996).**

AN: 10 ppm

**France**

Ingredient #4

**INRS (France, 0/1996).**

VME: 1900 mg/m<sup>3</sup>

VLE: 9500 mg/m<sup>3</sup>

Ingredient #2

**INRS (France, 0/1999).**

VLE: 10 ppm

**Netherlands**

Ingredient #4

**Arbeidsinspectie (Netherlands, 0/1999).**

TGG: 1000 mg/m<sup>3</sup>

Ingredient #2

**Arbeidsinspectie (Netherlands, 0/2000).**

TGG: 10 ppm

**Germany**

Ingredient #4

**ACGIH (Germany, 0/1996).**

TWA: 1000 ppm

Ingredient #2

**BAUA (Germany, 0/1999).**

TWA: 10 ppm

Spitzenbegrenzung: 10 ppm

**Finland**

Ingredient #4

**Työterveyslaitos (Finland, 0/1998).**

TWA: 1900 mg/m<sup>3</sup>

STEL: 2500 mg/m<sup>3</sup>

Ingredient #2

**Työterveyslaitos (Finland, 0/1998).**

TWA: 10 ppm

STEL: 15 ppm

**Austria**

Ingredient #4

**AUVA (Austria, 0/1995).**

TWA: 1900 mg/m<sup>3</sup>

Spitzenbegrenzung: 3800 mg/m<sup>3</sup>

Ingredient #2

**AUVA (Austria, 0/1995).**

TWA: 10 ppm 8 hour(s).

**Switzerland**

Ingredient #2

**SUVA (Switzerland, 0/1997).**

MAK: 10 ppm 8 hour(s).

Momentanwert: 20 ppm

**Belgium**

Ingredient #4

TWA: 1907 mg/m<sup>3</sup>

Ingredient #2

TWA: 10 ppm

STEL: 15 ppm

**Turkey**

Ingredient #4

**NIOSH REL (United States, 2000).**

TWA: 1900 mg/m<sup>3</sup> 10 hour(s).

Ingredient #2

**NIOSH (United States, 0/1998).**

TWA: 10 ppm

STEL: 15 ppm

TWA: 10 ppm

STEL: 15 ppm

*Personal Protection*

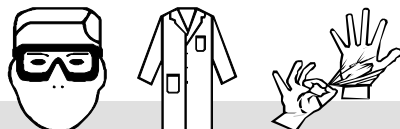
**Eyes** Splash goggles.

**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  
(Pictograms)





## Section 9. Physical and chemical properties

**Physical State** Liquid. (Clear viscous liquid.)

**Color** Light to Dark Pink

**Odor** Almond-like.

**Molecular weight** Not applicable.

**Taste** Not available.

**pH (1% Soln/Water)** 3.75 to 4.25 [Acidic.]

**Boiling/condensation point** The lowest known value is 78.5°C (173.3°F) (Ingredient #4). Weighted average: 149.3°C (300.7°F)

**Melting/freezing point** May start to solidify at 16.2°C (61.2°F) based on data for: Ingredient #2. Weighted average: -39.38°C (-38.9°F)

**Critical temperature** The lowest known value is 374.2°C (705.6°F) (water).

**Specific Gravity** Weighted average: 1.01 (Water = 1)

**Vapor pressure** The highest known value is 5.9 kPa (44.6 mm Hg) (at 20°C) (Ingredient #4). Weighted average: 1.15 kPa (8.63 mm Hg) (at 20°C)

**Vapor density** The highest known value is 3.7 (Air = 1) (Ingredient #6). Weighted average: 1.91 (Air = 1)

**Odor threshold** The lowest known value is 1.018 ppm (Ingredient #2) Weighted average: 113.46 ppm

**Evaporation rate** 0.97 (Ingredient #2) compared to Butyl acetate.

**Viscosity** Dynamic: The highest known value is 58.1 cP (Ingredient #5) Weighted average: 32.27 cP

**Dispersion properties** See solubility in water, methanol, diethyl ether, acetone.

**Solubility** Easily soluble in cold water, hot water, methanol, acetone.  
Soluble in diethyl ether.



## Section 10. Stability and reactivity

**Stability and Reactivity** The product is stable.

**Conditions to avoid** Not available.

**Materials to avoid** Highly reactive with oxidizing agents, reducing agents.  
Slightly reactive to reactive with alkalis.

**Hazardous Decomposition Products** Not available.



## Section 11. Toxicological information

<b>Toxicity to Animals</b>	<b>Ingredient #5:</b>	
	ORAL (LD50):	Acute: 20000 mg/kg [Rat]. 18350 mg/kg [Guinea pig].
	22000 mg/kg [Dog].	
	DERMAL (LD50):	Acute: 20800 mg/kg [Rabbit].
	<b>water:</b>	
	ORAL (LD50):	Acute: >90000 mg/kg [Rat].
	<b>Ingredient #6:</b>	
	ORAL (LD50):	Acute: 1300 mg/kg [Rat]. 1000 mg/kg [Guinea pig]. 28
	mg/kg [Mouse].	
	DERMAL (LD50):	Acute: 1250 mg/kg [Rabbit].
	<b>Ingredient #4:</b>	
	ORAL (LD50):	Acute: 7060 mg/kg [Rat]. 3450 mg/kg [Mouse]. 6300
	mg/kg [Rabbit].	
	DERMAL (LD50):	Acute: >20000 mg/kg [Rabbit].
	<b>Ingredient #3</b>	
	LD50: Not available.	
	LC50: Not available.	
	<b>Ingredient #2:</b>	
	ORAL (LD50):	Acute: 3310 mg/kg [Rat]. 4960 mg/kg [Mouse]. 3530
	mg/kg [Rat].	
	DERMAL (LD50):	Acute: 1060 mg/kg [Rat].
	VAPOR (LC50):	Acute: 5620 ppm 1 hour(s) [Mouse].
	<b>Ingredient #1:</b>	
	ORAL (LD50):	Acute: 3530 mg/kg [Rat]. 6891 mg/kg [Mouse].
	DERMAL (LD50):	Acute: >10000 mg/kg [Rabbit].
	<b>Ingredient #7:</b>	

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ORAL (LD50): Acute: 2800 mg/kg [Rat]. 2900 mg/kg [Mouse]. 5000 mg/kg [Rabbit].  
 DERMAL (LD50): Acute: 4720 mg/kg [Rabbit]. 5000 mg/kg [Rat].  
 VAPOR (LC50): Acute: 9400 mg/m<sup>3</sup> 2 hour(s) [Mouse]. 3421 ppm 1 hour (s) [Rat]. 1948 ppm 4 hour(s) [Rat].  
**Ingredient #8**  
 LD50: Not available.  
 LC50: Not available.

**Chronic Effects on Humans** **CARCINOGENIC EFFECTS:** Classified 2 (Reasonably Anticipated To Be Human Carcinogens.) by NTP [Ingredient #6]. Classified None. by OSHA, None. by NIOSH [Ingredient #6]. Classified None. by NIOSH [Ingredient #4]. Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [Ingredient #4]. Classified None. by OSHA, None. by NIOSH [Ingredient #1].  
**MUTAGENIC EFFECTS:** Classified POSSIBLE for human [Ingredient #5]. Classified POSSIBLE for human [Ingredient #6]. Classified PROVEN for human [Ingredient #4]. Mutagenic for mammalian somatic cells. [Ingredient #4]. Classified POSSIBLE for human [Ingredient #2].  
**TERATOGENIC EFFECTS:** Classified POSSIBLE for human [Ingredient #5]. Classified POSSIBLE for human [Ingredient #6]. Classified PROVEN for human [Ingredient #4].  
**DEVELOPMENTAL TOXICITY:** Classified Reproductive system/toxin/female [POSSIBLE] [Ingredient #5]. Classified Reproductive system/toxin/male [PROVEN] [Ingredient #4]. Classified Reproductive system/toxin/male [SUSPECTED] [Ingredient #4].  
 Contains material which causes damage to the following organs: blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, heart, cardiovascular system, upper respiratory tract, skin, , central nervous system (CNS), eye, lens or cornea, teeth.

**Other Toxic Effects on Humans** Hazardous in case of eye contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals** Not available.

**Special Remarks on Chronic Effects on Humans** Exposure can cause stomach pains, vomiting and diarrhea. Can cause CNS depression. May cause allergic skin reactions with repeated exposure. (Ingredient #5)

**Special Remarks on Other Toxic Effects on Humans** Material is irritating to mucous membranes and upper respiratory tract. May cause allergic reactions in certain individuals. May cause allergic reactions, eczema and/or dehydration of the skin. Prolonged exposure may cause narcotic effect. Exposure can cause nausea, headache and vomiting. (Ingredient #6)

**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.

**Ingestion** No known significant effects or critical hazards.

**Skin** No known significant effects or critical hazards.

**Target organs** Contains material which causes damage to the following organs: blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, heart, cardiovascular system, upper respiratory tract, skin, , central nervous system (CNS), eye, lens or cornea, teeth.



**Section 12. Ecological information**

**Mobility** Not available.

**Persistence/degradability** Not available.

**Bioaccumulative potential** Not available.

**Ecotoxicity** Not available.

**Germany water class** VCI WGK: No products were found.

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
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Ingredient #	Species	Exposure	Concentration
Ingredient #6	Leuciscus idus (LC50)	48 hour(s)	62 mg/l
	Daphnia magna (EC50)	24 hour(s)	50 mg/l
	Trout (LC50)	96 hour(s)	11 mg/l
	Minnnows (EC50)	96 hour(s)	7.61 mg/l
Ingredient #4	Daphnia (LC50)	24 hour(s)	5 mg/l
	Trout (LC50)	96 hour(s)	13000 mg/l
	Daphnia magna (EC50)	48 hour(s)	9.3 mg/l
	Trout (LC50)	96 hour(s)	10400 mg/l
	Minnnows (LC50)	96 hour(s)	15300 mg/l
Ingredient #2	other fish (LC50)	24 hour(s)	10000 mg/l
	daphnia magna (LC50)	96 hour(s)	>100 mg/l
	Minnnows (LC50)	96 hour(s)	88 mg/l
	Goldfish (LC50)	24 hour(s)	423 mg/l
	daphnia (EC50)	24 hour(s)	32 to 47 mg/l
	Algae (EC50)	24 hour(s)	156 mg/l
	Daphnia magna (EC50)	48 hour(s)	65 mg/l
Leuciscus idus (LC50)	48 hour(s)	410 mg/l	

Other ecological information

Persistence/degradability

Ingredient name

BOD<sub>5</sub>

COD

Ingredient name

Aquatic half-life

Photolysis

Biodegradability

Ingredient #6

-

-

Readily

Ingredient #4

-

-

Readily

Bioaccumulative potential

Ingredient name

LogP<sub>ow</sub>

BCF

Ingredient #6

1.5

-

low

Ingredient #2

-0.17

-

low

Mobility

: Not available.

Other adverse effects

: No known significant effects or critical hazards.



## Section 13. Disposal considerations

Waste Stream Not available.

Methods of disposal 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

Denmark – Carcinogenic waste Not available.

Denmark - Waste card number Not available.

Denmark - Waste group Not available.

Sweden - thermoset plastic waste Not available.

Sweden - Waste group Not available.

Austria - Waste catalogue Not available.

Norway - Waste number Not available.

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

Switzerland - Waste code Not available.

## 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)

R36/38- Irritating to eyes and skin.  
S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label.



**Irritant**

### HCS Classification

**Corrosive material**  
**Carcinogen**  
**Target organ effects**

**U.S. Federal Regulations** TSCA 8(b) inventory: Ingredient #4; Ingredient #3; Ingredient #2; water; Ingredient #7; Ingredient #6; Ingredient #5; Ingredient #1  
SARA 302/304/311/312 extremely hazardous substances: No products were found.  
SARA 302/304 emergency planning and notification: No products were found.  
SARA 302/304/311/312 hazardous chemicals: Ingredient #4; Ingredient #2  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Ingredient #4: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Ingredient #2: Fire hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Ingredient #5  
Clean Water Act (CWA) 307: No products were found.  
Clean Water Act (CWA) 311: Ingredient #2  
Clean air act (CAA) 112 accidental release prevention: No products were found.  
Clean air act (CAA) 112 regulated flammable substances: No products were found.  
Clean air act (CAA) 112 regulated toxic substances: No products were found.

**State regulations** Pennsylvania RTK: Ingredient #4: (generic environmental hazard); Ingredient #2: (environmental hazard, generic environmental hazard); Ingredient #7: (generic environmental hazard); Ingredient #6; Ingredient #5  
Florida: Ingredient #4  
Minnesota: Ingredient #4; Ingredient #7; Ingredient #6; Ingredient #5  
Massachusetts RTK: Ingredient #4; Ingredient #2; Ingredient #7; Ingredient #6  
Massachusetts spill list: Ingredient #4; Ingredient #7  
New Jersey: Ingredient #4; Ingredient #2; Ingredient #7; Ingredient #6  
New Jersey spill list: Ingredient #4; Ingredient #7  
New Jersey toxic catastrophe prevention act: Ingredient #4; Ingredient #7

**WHMIS (Canada)** Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).  
Class D-2A: Material causing other toxic effects (VERY TOXIC).  
Class D-2B: Material causing other toxic effects (TOXIC).  
Class E: Corrosive liquid.

CEPA DSL: Ingredient #4; Ingredient #3; Ingredient #2; water; Ingredient #7; Ingredient #6; Ingredient #5; Ingredient #1

### International Regulations

**EINECS** Not available.

**DSCL (EEC)** R36/38- Irritating to eyes and skin.

### International Lists

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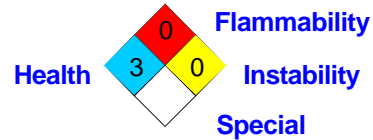
Australia (NICNAS): Ingredient #4; Ingredient #2; Ingredient #7; Ingredient #1  
 Germany water class: Ingredient #2; Ingredient #7; Ingredient #6; Ingredient #1  
 Japan (METI): Ingredient #4; Ingredient #2; Ingredient #7; Ingredient #1  
 Japan (MOL): Ingredient #1  
 Korea (TCCL): Ingredient #4; Ingredient #2; Ingredient #7; Ingredient #5; Ingredient #1  
 Philippines (RA6969): Ingredient #4; Ingredient #2; Ingredient #7; Ingredient #1  
 Pennsylvania RTK: Ingredient #4: (generic environmental hazard); Ingredient #2: (environmental hazard, generic environmental hazard); Ingredient #7: (generic environmental hazard); Ingredient #6; Ingredient #5  
 Florida: Ingredient #4  
 Minnesota: Ingredient #4; Ingredient #7; Ingredient #6; Ingredient #5  
 Massachusetts RTK: Ingredient #4; Ingredient #2; Ingredient #7; Ingredient #6  
 Massachusetts spill list: Ingredient #4; Ingredient #7  
 New Jersey: Ingredient #4; Ingredient #2; Ingredient #7; Ingredient #6  
 New Jersey spill list: Ingredient #4; Ingredient #7  
 New Jersey toxic catastrophe prevention act: Ingredient #4; Ingredient #7

**State Regulations**

**Section 16. Other information**

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health</b>	*	3
	<b>Fire hazard</b>		0
	<b>Reactivity</b>		0
	<b>Personal protection</b>		C

**National Fire Protection Association (U.S.A.)**



**References** Not available.

**History of Document Changes** Any information changes since last document version are marked with a triangle symbol.

**Full text of R phrases referred to in sections 2 and 3 - Europe**  
 R11- Highly flammable.  
 R10- Flammable.  
 R22- Harmful if swallowed.  
 R35- Causes severe burns.  
 R36/38- Irritating to eyes and skin.

**Full text of classifications referred to in sections 2 and 3 - Europe**  
 F - Highly flammable  
 C - Corrosive  
 Xn - Harmful  
 Xi - Irritant

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

Validated by MSDS Administrator on 4/28/2006.

Verified by MSDS Administrator.

Date of previous issue No Previous Validation

Printed 5/3/2006.

Version 0.01

**Notice to reader**

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