

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

Responsible Name Company2

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

**Product Name** GelCode® Blue Stain Reagent

**Product no.** 0024590 0024592 1900276

|                 |                    |                        |                      |
|-----------------|--------------------|------------------------|----------------------|
| <b>Supplier</b> | <b>PIDS: on:</b>   | <b>In Europe:</b>      | <b>Manufacturer</b>  |
|                 | Pierce             | Perbio Science         | Pierce Biotechnology |
|                 | P.O. Box 117       | Industriezone III      | P.O. Box 117         |
|                 | Rockford, IL 61105 | Industrielaan 27       | Rockford, IL 61105   |
|                 | USA                | 9320 Erembodegem-Aalst | USA                  |
|                 | 815.968.0747 or    | Belgium                | 815.968.0747 or      |
|                 | 1.800.874.3723     | Tel:+32 53 83 44 04    | 1.800.874.3723       |
|                 |                    | Fax:+32 53 83 76 38    |                      |

**In case of emergency** CHEMTREC:  
800.424.9300  
OUTSIDE US:  
202.483.7616

**Print date** 1/3/2006  
**Validation date** 1/3/2006  
**MSDS#** 2452

**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>               |
|------------------------|-------------------|----------|------------------|-------------------------------------|
| Acid.                  |                   | 7 - 10   |                  | C; R34                              |
| Methanol               | 67-56-1           | 3 - 5    | 200-659-6        | F; R11<br>T; R23/24/25, 39/23/24/25 |

 **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 SEVERE RESPIRATORY TRACT BURNS.  
CAUSES EYE AND SKIN BURNS.  
HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED.  
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS:  
BLOOD, KIDNEYS, LUNGS, LIVER, MUCOUS MEMBRANES, HEART,  
GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, CENTRAL NERVOUS  
SYSTEM, EYE, LENS OR CORNEA.

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.

**Target organs**

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

**Routes of entry**

Dermal contact. Eye contact. Inhalation. Ingestion.

**Potential acute health effects**

**Eyes** Corrosive to eyes.

**Skin** Toxic in contact with skin. Corrosive to the skin.

**Inhalation** Toxic by inhalation. Severely corrosive to the respiratory system.

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

**Potential chronic health effects**

**Continued on Next Page**

**Carcinogenic effects** **CARCINOGENIC EFFECTS:** Classified None. by OSHA, None. by NIOSH [Methanol]. Classified None. by OSHA, None. by NIOSH [Dimethylsulfoxide]. Classified None. by OSHA [Ingredient #1].  
**MUTAGENIC EFFECTS:** Classified SUSPECTED for human [Methanol]. Classified POSSIBLE for human [Dimethylsulfoxide]. Mutagenic for mammalian somatic cells. [Dimethylsulfoxide]. Mutagenic for bacteria and/or yeast. [Dimethylsulfoxide].  
**TERATOGENIC EFFECTS:** Classified SUSPECTED for human [Methanol]. Classified POSSIBLE for human [Dimethylsulfoxide].

**Medical conditions aggravated by overexposure** Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.  
**Over-exposure signs/symptoms** Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.  
 Not available.

### Europe

**Classification** C; R34  
**Physical/chemical hazards** Not applicable.  
**Human health hazards** Causes burns.  
**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). Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.

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

**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 contact may produce burns. 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 or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. 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 not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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.

**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.

**Continued on Next Page**

## Section 6. Accidental release measures

**Personal precautions** Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

**Environmental precautions and clean-up methods** Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

**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.

## ◇ Section 7. Handling and storage

**Handling** Do not ingest. Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. 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 work-station location.

| Exposure Limit Values |  |
|-----------------------|--|
| Ingredient Name       | Occupational Exposure Limits   |
| <b>United States</b>  |  |
| Acid.                 | <b>ACGIH (United States).</b><br>TWA: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup><br><b>TWA: 1 mg/m<sup>3</sup></b><br><b>STEL: 3 mg/m<sup>3</sup></b><br><b>NIOSH (United States, 0/1994).</b><br>TWA: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup><br><b>OSHA (United States, 0/1989).</b><br>TWA: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup> |
| Methanol              | <b>ACGIH (United States, 0/2000). Skin</b><br>TWA: 200 ppm<br>STEL: 250 ppm<br>CEIL: 200 ppm<br><b>OSHA (United States, 0/1989). Skin</b><br>TWA: 200 ppm<br>STEL: 250 ppm<br><b>MSHA (United States). Skin</b><br>TWA: 260 mg/m <sup>3</sup><br><b>NIOSH (United States). Skin</b><br>TWA: 200 ppm<br>STEL: 250 ppm   |
| <b>Sweden</b>         |  |
| Methanol              | <b>AFS (Sweden, 0/1996). Skin</b><br>NGV: 200 ppm<br>KTV: 350 ppm<br>TGV: 250 ppm<br>(Sweden). Skin<br>NGV: 200 ppm  |
| Dimethylsulfoxide     | <b>AFS (Sweden, 0/1996). Skin</b><br>NGV: 50 ppm<br>KTV: 500 ppm   |

Continued on Next Page

**Denmark**

Methanol

Dimethylsulfoxide

**Norway**

Methanol

**France**

Methanol

**Netherlands**

Methanol

Dimethylsulfoxide

**Germany**

Methanol

Dimethylsulfoxide

**Finland**

Methanol

**United Kingdom (UK)**

Methanol

**Austria**

Methanol

**Switzerland**

Methanol

Dimethylsulfoxide

**Belgium**

Methanol

**Spain**

Methanol

**Turkey**

Acid.

Methanol

**Czech Republic**

Methanol

**Ireland**

TGV: 150 ppm

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

GV: 200 ppm

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

GV: 100 ppm

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

AN: 100 ppm

Kortidsnormen: 325 ppm

(Norway). Sensitizer skin

TLV: 100 ppm

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

VME: 200 ppm

VLE: 1300 ppm

(France). Skin

VME: 200 ppm

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

TGG: 200 ppm

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

TGG: 50 ppm

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

Spitzenbegrenzung: 800 ppm

TWA: 200 ppm

STEL: 250 ppm

**BAUA (Germany, 0/1999). Skin**TWA: 160 mg/m<sup>3</sup>**Tyoterveyslaitos (Finland, 0/1998). Skin**TWA: 270 mg/m<sup>3</sup>STEL: 330 mg/m<sup>3</sup>**EU OEL (Europe, 0/1998).**

TWA: 200 ppm 8 hour(s).

TWA: 200 mg/m<sup>3</sup> 8 hour(s).**AUVA (Austria, 0/1995). Skin**Spitzenbegrenzung: 520 mg/m<sup>3</sup>**MAK (Austria). Skin**

TWA: 200 ppm

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

MAK: 200 ppm 8 hour(s).

Kurzezeitgrenzwerte: 400 ppm 15 minute(s).

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

MAK: 50 ppm 8 hour(s).

TWA: 200 ppm

STEL: 333 ppm

VLA-ED: 200 ppm

**NIOSH (United States, 0/1994).**TWA: 1 mg/m<sup>3</sup>STEL: 3 mg/m<sup>3</sup>**NIOSH (United States). Skin**

TWA: 200 ppm

STEL: 250 ppm

**EU OEL (Europe, 0/1998).**

TWA: 200 ppm 8 hour(s).

Methanol

EU OEL (Europe, 0/1998).  
TWA: 200 ppm 8 hour(s).

Italy

Methanol

OEL (Italy).  
TWA: 200 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.**Feet** Boots.Protective Clothing  
(Pictograms)**Section 9. Physical and chemical properties****Physical State and Appearance** Liquid. (Liquid.)**Color** Blue. Brown. (Dark.)**Odor** Not available.**Molecular Weight** Not applicable.**Taste** Not available.**pH (1% Soln/Water)** <2 [Acidic.]**Boiling/Condensation Point** The lowest known value is 64.7°C (148.5°F) (Methanol). Weighted average: 105.4°C (221.7°F)**Melting/Freezing Point** May start to solidify at 42.27°C (108.1°F) based on data for: Acid.. Weighted average: 0.04°C (32.1°F)**Critical Temperature** The lowest known value is 240°C (464°F) (Methanol).**Specific Gravity** Weighted average: 1.03 (Water = 1)**Vapor Pressure** The highest known value is 13 kPa (97.7 mm Hg) (at 20°C) (Methanol). Weighted average: 2.49 kPa (18.68 mm Hg) (at 20°C)**Vapor Density** The highest known value is 3.4 (Air = 1) (Acid.). Weighted average: 0.92 (Air = 1)**Odor Threshold** The lowest known value is 100 ppm (Methanol)**Evaporation Rate** The highest known value is 0.36 (water) Weighted average: 0.35 compared to (n-BUTYL ACETATE=1)**Viscosity** Dynamic: The highest known value is 2.47 cP (Dimethylsulfoxide) Weighted average: 1.01 cP**Ionicity (in Water)** Non-ionic.**Dispersion Properties** See solubility in water, methanol, diethyl ether, acetone.**Solubility** Easily soluble in cold water, hot water, methanol, diethyl ether, acetone.**Section 10. Stability and reactivity****Stability and Reactivity** The product is stable.**Conditions to avoid** Not available.**Materials to avoid** Reactive with organic materials.

Slightly reactive to reactive with oxidizing agents, reducing agents, acids.

**Hazardous Polymerization** Will not occur.**Hazardous Decomposition Products** Not available.**Continued on Next Page**

**Section 11. Toxicological information**

|                            |                             |  |
|----------------------------|-----------------------------|--|
| <b>Toxicity to Animals</b> | <b>water:</b>               |  |
|                            | ORAL (LD50):                | Acute: >90000 mg/kg [ Rat].  |
|                            | <b>Acid:</b>                |  |
|                            | ORAL (LD50):                | Acute: 1530 mg/kg [Rat].   |
|                            | DERMAL (LD50):              | Acute: 2470 mg/kg [Rabbit].  |
|                            | <b>Methanol:</b>            |  |
|                            | ORAL (LD50):                | Acute: 5628 mg/kg [Rat]. 7000 mg/kg [Monkey.]. 7300 mg/kg [Mouse]. |
|                            | DERMAL (LD50):              | Acute: 15800 mg/kg [Rabbit].                                       |
|                            | VAPOR (LC50):               | Acute: 64000 ppm 4 hour(s) [Rat].                                  |
|                            | <b>Dimethylsulfoxide:</b>   |  |
|                            | ORAL (LD50):                | Acute: 14500 mg/kg [Rat]. >10000 mg/kg [Dog]. 7920 mg/kg [Mouse].  |
|                            | DERMAL (LD50):              | Acute: 40000 mg/kg [Rat]. 50000 mg/kg [Mouse].                     |
|                            | <b>Ingredient #1</b>        |  |
|                            | LD50: Not available.        |  |
|                            | LC50: Not available.        |  |
|                            | <b>Coomassie Blue G-250</b> |  |
|                            | LD50: Not available.        |  |
|                            | LC50: Not available.        |  |

**Chronic Effects on Humans** **CARCINOGENIC EFFECTS:** Classified None. by OSHA, None. by NIOSH [Methanol]. Classified None. by OSHA, None. by NIOSH [Dimethylsulfoxide]. Classified None. by OSHA [Ingredient #1].

**MUTAGENIC EFFECTS:** Classified SUSPECTED for human [Methanol]. Classified POSSIBLE for human [Dimethylsulfoxide]. Mutagenic for mammalian somatic cells. [Dimethylsulfoxide]. Mutagenic for bacteria and/or yeast. [Dimethylsulfoxide].

**TERATOGENIC EFFECTS:** Classified SUSPECTED for human [Methanol]. Classified POSSIBLE for human [Dimethylsulfoxide].

**DEVELOPMENTAL TOXICITY:** Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED] [Methanol]. Classified Reproductive system/toxin/female [SUSPECTED] [Dimethylsulfoxide].

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

**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. Laboratory experiments have shown mutagenic effects. An experimental tumorigen. Laboratory experiments have shown mutagenic effects. (Dimethylsulfoxide)

**Special Remarks on Other Toxic Effects on Humans** To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

**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, lungs, liver, mucous membranes, heart, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.



## 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>Germany water class</i>       | VCI WGK: No products were found. |

### Ecotoxicity data

| <u>Ingredient name</u> | <u>Species</u>         | <u>Period</u> | <u>Result</u> |
|------------------------|------------------------|---------------|---------------|
| Methanol               | Trout (LC50)           | 96 hour(s)    | 19000 mg/l    |
|                        | Cyprinus carpio (LC50) | 48 hour(s)    | 36000 mg/l    |
|                        | Daphnia magna (EC50)   | 48 hour(s)    | 24500 mg/l    |
|                        | Minnows (LC50)         | 96 hour(s)    | 29400 mg/l    |
|                        | Trout (LC50)           | 48 hour(s)    | 8000 mg/l     |

### Other ecological information

| <u>Ingredient name</u> | <u>BOD<sub>5</sub></u> | <u>COD</u> | <u>Biodegradability</u> |
|------------------------|------------------------|------------|-------------------------|
| Methanol               | -                      | -          | Readily                 |

### Bioaccumulative potential

| <u>Ingredient name</u> | <u>LogP<sub>ow</sub></u> | <u>BCF</u> |     |
|------------------------|--------------------------|------------|-----|
| Methanol               | -0.77                    | 0.2        | low |

|                              |   |
|------------------------------|---|
| <i>Mobility</i>              | : Not available.                                    |
| <i>Other adverse effects</i> | : 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.

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## 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)

R34- Causes burns.  
S2- Keep out of the reach of children. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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).



**Corrosive**

### HCS Classification

**Toxic material**  
**Corrosive material**  
**Target organ effects**

**U.S. Federal Regulations** TSCA 8(b) inventory: Methanol; Ingredient #1; Ingredient #2; water; Coomassie Blue G-250; Dimethylsulfoxide

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: Methanol; Acid.; Dimethylsulfoxide

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Methanol: Fire hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Acid.: Immediate (Acute) Health Hazard; Dimethylsulfoxide: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: Acid.

Clean air act (CAA) 112 accidental release prevention: Methanol

Clean air act (CAA) 112 regulated flammable substances: Methanol

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

### SARA 313

| <b>Form R - Reporting requirements</b> | <b>Product name</b> | <b>CAS number</b> | <b>Concentration</b> |
|--|---------------------|-------------------|----------------------|
| :                                      | Methanol            | 67-56-1           | 3 - 5                |

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

**State regulations** Pennsylvania RTK: Methanol: (environmental hazard, generic environmental hazard); Acid.: (environmental hazard)  
Florida: Methanol  
Minnesota: Methanol  
Massachusetts RTK: Methanol; Acid.  
Massachusetts spill list: Methanol  
New Jersey: Methanol; Acid.  
New Jersey spill list: Methanol  
New Jersey toxic catastrophe prevention act: Methanol

**WHMIS (Canada)** Class D-1B: Material causing immediate and serious toxic effects (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: Methanol; Ingredient #1; water; Coomassie Blue G-250; Dimethylsulfoxide

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**EINECS** Not available.

**DSCL (EEC)** R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.  
 R68/20/21/22- Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.  
 R36/38- Irritating to eyes and skin.

**International Lists** Australia: Dimethylsulfoxide

Australia (NICNAS): Acid.

Germany water class: Methanol; Ingredient #1; Dimethylsulfoxide

Japan (METI): Acid.; water

Korea (TCCL): Acid.

Philippines (RA6969): Acid.

**State Regulations** Pennsylvania RTK: Methanol; (environmental hazard, generic environmental hazard); Acid.: (environmental hazard)

Florida: Methanol

Minnesota: Methanol

Massachusetts RTK: Methanol; Acid.

Massachusetts spill list: Methanol

New Jersey: Methanol; Acid.

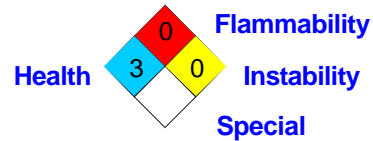
New Jersey spill list: Methanol

New Jersey toxic catastrophe prevention act: Methanol

**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.  
 R23/24/25- Toxic by inhalation, in contact with skin and if swallowed.  
 R39/23/24/25- Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.  
 R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.  
 R68/20/21/22- Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.  
 R34- Causes burns.  
 R36/38- Irritating to eyes and skin.

**Full text of classifications referred to in sections 2 and 3 - Europe**  
 F - Highly flammable  
 T - Toxic  
 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 Company2 on 1/3/2006.

Verified by Company2.

Date of Previous Issue 12/22/2005

Printed 1/3/2006.

Version 2.05

**Notice to Reader**

*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.*