

# SAFETY DATA SHEET



Revision Date 25-Apr-2016  
Version 1.01

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name BioGuard Plus 6  
Product code BGD600

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Fuel additive  
Restrictions on use No information available

### 1.3 Details of the supplier of the safety data sheet

Supplier ValvTect Petroleum Products  
A Division of Kop-Coat, Inc.  
1608 Barclay Boulevard  
Buffalo Grove, IL 60089  
(847) 272-2278

E-mail Address ValvTect@valvtect.com

### 1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910.1200

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

### 2.2 Label elements

Signal Word  
Danger

**Hazard Statements**

Harmful if swallowed  
Toxic if inhaled  
Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
Suspected of causing cancer  
May be fatal if swallowed and enters airways  
Flammable liquid and vapor

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Contaminated work clothing should not be allowed out of the workplace  
Keep/Store away from clothing/ combustible materials  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed  
Ground/Bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting/equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
If skin irritation or rash occurs: Get medical advice/attention  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician  
Rinse mouth  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**2.3. Other Hazards Hazards not otherwise classified (HNOC)**

Not Applicable

**2.4 Other information**

Not Applicable

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/Information on Ingredients

**Substance**

Not applicable

**Mixture**

Chemical Name	CAS-No	Weight %
Distillates, petroleum, hydrotreated light	64742-47-8	40 - 50
4-(2-Nitrobutyl) morpholine	2224-44-4	20 - 30
2-Ethylhexyl nitrate	27247-96-7	10 - 20
Solvent naphtha (petroleum), light aromatic	64742-95-6	5 - 10
Heavy aromatic naphtha	64742-94-5	1 - 5
1,2,4-Trimethylbenzene	95-63-6	1 - 5
Methylene Dimorpholine	5625-90-1	1 - 5
Morpholine	110-91-8	1 - 5
4,4'-(2-Ethyl-2-Nitropropane-1,3-diyl)bismorpholine	1854-23-5	1 - 5
Naphthalene	91-20-3	< 1
CUMENE	98-82-8	< 1

The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First aid measures

#### 4.1 Description of first-aid measures

<b>General advice</b>	For further assistance, contact your local Poison Control Center.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or poison control center immediately.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Call a physician if irritation develops or persists. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Move victim to fresh air. If not breathing, give artificial respiration. Seek immediate medical attention/advice.
<b>Ingestion</b>	Never give fluids if the victim is unconscious or having convulsions. Do NOT induce vomiting. If a person vomits when lying on his back, place him in the recovery position. Call a physician or poison control center immediately. Gently wipe or rinse the inside of the mouth with water.

#### 4.2 Most important symptoms and effects, both acute and delayed

**Symptoms** See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

#### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician** There is no specific antidote for effects from overexposure to this material. Treat symptomatically.

### 5. Fire-Fighting Measures

#### 5.1 Extinguishing media

**Suitable extinguishing media**

Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray or fog. Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

**Unsuitable Extinguishing Media** Water may be unsuitable for extinguishing fires.

## **5.2 Special hazards arising from the substance or mixture**

### **Special Hazard**

Thermal decomposition can lead to release of irritating gases and vapors Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) Temperatures above 100°C may cause self-accelerating exothermic reaction which causes a rapid rise in temperature and pressure. This could result in an explosion (bursting of the container), splashing of material, burning of the product, and the emission of toxic gases and exhaust fumes.

**Hazardous Combustion Products** Possible formation of carbon oxides, nitrogen oxides, and hazardous organic compounds.

### **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** Yes.

## **5.3 Advice for firefighters**

Evacuate personnel to safe areas. Move non-burning material, as feasible, to a safe location as soon as possible. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Thoroughly decontaminate all protective equipment after use. DO NOT extinguish a fire resulting from the flow of flammable liquid until the flow of the liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished.

## **6. Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do it without risk. Refer to protective measures listed in sections 7 and 8. Avoid exceeding of the given occupational exposure limits (see section 8). Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill.

### **6.2 Environmental precautions**

Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information.

### **6.3 Methods and materials for containment and cleaning up**

#### **Methods for Containment**

Dike to collect large liquid spills. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up**

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Ground and bond containers when transferring material. Take precautionary measures against static discharges.

## **7. Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Use according to package label instructions. Empty containers may retain product residue or vapor. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Take measures to prevent the build up of electrostatic charge.

**Hygiene measures** Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Keep in properly labeled containers. Keep away from food, drink and animal feedingstuffs.

**Materials to Avoid** No materials to be especially mentioned.

## 8. Exposure controls/personal protection

### 8.1 Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
Distillates, petroleum, hydrotreated light 64742-47-8	-	-	TWA: 200 mg/m <sup>3</sup> Skin			
Morpholine 110-91-8	TWA: 20 ppm S*	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup> S*	TWA: 20 ppm Skin	TWA: 20 ppm TWA: 71 mg/m <sup>3</sup> Skin	TWA: 20 ppm TWA: 71 mg/m <sup>3</sup> Skin	TWA: 20 ppm Skin
Naphthalene 91-20-3	TWA: 10 ppm S*	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	TWA: 10 ppm STEL: 15 ppm Skin	TWA: 10 ppm TWA: 52 mg/m <sup>3</sup> STEL: 15 ppm STEL: 79 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 52 mg/m <sup>3</sup> STEL: 15 ppm STEL: 79 mg/m <sup>3</sup>	TWA: 10 ppm STEL: 15 ppm Skin
CUMENE 98-82-8	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> S*	TWA: 25 ppm STEL: 75 ppm	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 246 mg/m <sup>3</sup>	TWA: 50 ppm

### 8.2 Appropriate engineering controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Use adequate ventilation to maintain airborne concentrations at levels below permissible or recommended occupational exposure limits.

### 8.3 Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to handling and processing of material.

**Skin and body protection** Wear impervious gloves and/or clothing if needed to prevent contact with the material. Rubber/latex/neoprene or other suitable chemical resistant gloves. Remove and wash contaminated clothing before re-use. Cotton-blend coveralls.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** See section 7 for more information

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear
<b>Color</b>	various
<b>Odor</b>	Hydrocarbon-like
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
<b>pH</b>		Not Applicable
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		No information available
<b>Flash Point</b>	43 °C / 109 °F	
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>	0.8961	
<b>Water solubility</b>		No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>	< 20 mm <sup>2</sup> /s	
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

### 9.2 Other information

**Volatile organic compounds (VOC) content** No information available

## 10. Stability and Reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use

### 10.2 Chemical stability

Stable under recommended storage conditions Unstable if heated > 100 deg C / 212 deg F.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to Avoid

Keep away from heat, sparks and flames.

### 10.5 Incompatible Materials

None known based on information supplied.

### 10.6 Hazardous Decomposition Products

None under normal use conditions. Thermal decomposition can lead to release of irritating gases and vapors.

## 11. Toxicological information

### 11.1 Acute toxicity

#### Numerical measures of toxicity: Product Information

<b>LD50 Oral:</b> 550 mg/kg	<b>LD50 Dermal:</b> > 5000 mg/kg	<b>LC50 (Dust/Mist)</b> > 0.51 mg/L (4 hours)	<b>LC50 (Vapor)</b>
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The following values are calculated based on chapter 3.1 of the GHS document

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

**LC50 (Vapor)** 916.00 mg/l

#### Numerical measures of toxicity: Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates, petroleum, hydrotreated light 64742-47-8	5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
2-Ethylhexyl nitrate 27247-96-7	2000 mg/kg ( Rat )	> 4820 mg/kg ( Rabbit )	> 14 mg/L ( Rat ) 4 h
Solvent naphtha (petroleum), light aromatic 64742-95-6	-	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h
Heavy aromatic naphtha 64742-94-5	5000 mg/kg ( Rat )	> 2 mL/kg ( Rabbit )	> 590 mg/m <sup>3</sup> ( Rat ) 4 h
1,2,4-Trimethylbenzene 95-63-6	3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h
Morpholine 110-91-8	1050 mg/kg ( Rat )	310 - 810 mg/kg ( Rabbit )	= 8000 ppm ( Rat ) 8 h
Naphthalene 91-20-3	1110 mg/kg ( Rat )	= 1120 mg/kg ( Rabbit )	> 340 mg/m <sup>3</sup> ( Rat ) 1 h
CUMENE 98-82-8	1400 mg/kg ( Rat )	= 12300 µL/kg ( Rabbit )	8700 ppm (Rat) 4-h

### 11.2 Information on toxicological effects

#### Skin corrosion/irritation

##### Product Information

• No information available

##### Component Information

• No information available

#### Serious eye damage/eye irritation

##### Product Information

• No information available

##### Component Information

• No information available

#### Respiratory or skin sensitization

##### Product Information

• No information available

##### Component Information

• No information available

#### Germ cell mutagenicity

##### Product Information

• No information available

##### Component Information

• No information available

**Carcinogenicity**

Product Information

• The table below indicates whether each agency has listed any ingredient as a carcinogen

Component Information

• Contains a known or suspected carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Naphthalene 91-20-3	-	Group 2B	Reasonably Anticipated	
CUMENE 98-82-8	-	Group 2B	Reasonably Anticipated	

**Reproductive toxicity**

Product Information

• No information available

Component Information

• No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

• No information available

**Other adverse effects**

Product Information

• No information available

Component Information

• No information available

**Aspiration hazard**

Product Information

• Risk of serious damage to the lungs (by aspiration)

Component Information

• No information available

**12. Ecological information**

**12.1 Toxicity**

**Ecotoxicity**

No information available

2.98958 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Distillates, petroleum, hydrotreated light 64742-47-8	-	LC50: 96 h Pimephales promelas 45 mg/L flow-through LC50: 96 h Lepomis macrochirus 2.2 mg/L static LC50: 96 h Oncorhynchus mykiss 2.4 mg/L static	-
Solvent naphtha (petroleum), light aromatic 64742-95-6	-	LC50: 96 h Oncorhynchus mykiss 9.22 mg/L	EC50: 48 h Daphnia magna 6.14 mg/L
Heavy aromatic naphtha 64742-94-5	-	LC50: 96 h Pimephales promelas 19 mg/L static LC50: 96 h Oncorhynchus mykiss 2.34 mg/L LC50: 96 h Lepomis macrochirus 1740 mg/L static LC50: 96 h Pimephales promelas 45 mg/L flow-through LC50: 96 h	EC50: 48 h Daphnia magna 0.95 mg/L



		Pimephales promelas 41 mg/L	
1,2,4-Trimethylbenzene 95-63-6	-	LC50: 96 h Pimephales promelas 7.19 - 8.28 mg/L flow-through	EC50: 48 h Daphnia magna 6.14 mg/L
Morpholine 110-91-8	EC50: 96 h Pseudokirchneriella subcapitata 28 mg/L static	LC50: 96 h Lepomis macrochirus 350 mg/L static LC50: 96 h Oncorhynchus mykiss 375 - 460 mg/L LC50: 96 h Brachydanio rerio 1000 mg/L static	-
Naphthalene 91-20-3	-	LC50: 96 h Pimephales promelas 5.74 - 6.44 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 1.6 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 0.91 - 2.82 mg/L static LC50: 96 h Pimephales promelas 1.99 mg/L static LC50: 96 h Lepomis macrochirus 31.0265 mg/L static	LC50: 48 h Daphnia magna 2.16 mg/L EC50: 48 h Daphnia magna 1.96 mg/L Flow through EC50: 48 h Daphnia magna 1.09 - 3.4 mg/L Static
CUMENE 98-82-8	EC50: 72 h Pseudokirchneriella subcapitata 2.6 mg/L	LC50: 96 h Pimephales promelas 6.04 - 6.61 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 4.8 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 2.7 mg/L semi-static LC50: 96 h Poecilia reticulata 5.1 mg/L semi-static	EC50: 48 h Daphnia magna 0.6 mg/L EC50: 48 h Daphnia magna 7.9 - 14.1 mg/L Static

## 12.2 Persistence and degradability

No information available.

## 12.3 Bioaccumulative potential

Discharge into the environment must be avoided

Chemical Name	log Pow
2-Ethylhexyl nitrate 27247-96-7	4.14
Heavy aromatic naphtha 64742-94-5	6.1
1,2,4-Trimethylbenzene 95-63-6	3.63
Morpholine 110-91-8	-2.55
Naphthalene 91-20-3	3.3
CUMENE 98-82-8	3.55

## 12.4 Mobility in soil

No information available.

## 12.5 Other adverse effects

No information available

# 13. Disposal Considerations

## 13.1 Waste treatment methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

# 14. Transport Information

## Note

This product is not regulated by US DOT when shipped by ground in containers < 119

gallons.

**DOT**

**Proper shipping name**  
**Marine Pollutant**

NA1993, Combustible liquid, n.o.s. (petroleum distillates, 1,2,4-trimethylbenzene), 3, III  
This product contains a chemical which is listed as a marine pollutant according to DOT

**MEX**

no data available

**IMDG**

**Proper shipping name**  
**Marine pollutant**

UN1993, Flammable liquid, n.o.s. (petroleum distillates, 1,2,4-trimethylbenzene), 3, III  
This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

**IATA**

**Proper shipping name**

UN1993, Flammable liquid, n.o.s. (petroleum distillates, 1,2,4-trimethylbenzene), 3, III

**15. Regulatory information**

**15.1 International Inventories**

<b>TSCA</b>	-
<b>DSL</b>	-
<b>EINECS/ELINCS</b>	-
<b>ENCS</b>	-
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	-
<b>AICS</b>	Complies
<b>NZIoC</b>	-

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

**15.2 U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
1,2,4-Trimethylbenzene 95-63-6	1.0
Naphthalene 91-20-3	0.1

**15.3 Pesticide Information**

**U.S. EPA Pesticide Information**

**EPA Pesticide Registration Number** 60061-128

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the

pesticide label:  
**EPA Pesticide Label**  
 CAUTION: Harmful if swallowed. Harmful if inhaled. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**15.4 U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Naphthalene - 91-20-3	Carcinogen
CUMENE - 98-82-8	Carcinogen

**16. Other information**

<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 2</b>	<b>Instability 1</b>	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard 2*</b>	<b>Flammability 2</b>	<b>Physical Hazard 1</b>	<b>Personal protection X</b>

**Legend:**

- ACGIH (American Conference of Governmental Industrial Hygienists)
- Ceiling (C)
- DOT (Department of Transportation)
- EPA (Environmental Protection Agency)
- IARC (International Agency for Research on Cancer)
- International Air Transport Association (IATA)
- International Maritime Dangerous Goods (IMDG)
- NIOSH (National Institute for Occupational Safety and Health)
- NTP (National Toxicology Program)
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)
- PEL (Permissible Exposure Limit)
- Reportable Quantity (RQ)
- Skin designation (S\*)
- STEL (Short Term Exposure Limit)
- TLV® (Threshold Limit Value)
- TWA (time-weighted average)

**Revision Date** 25-Apr-2016

**Revision Note**

No information available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**