

## 1. Identification

**Product identifier** HyVolt II C50B

**Other means of identification** None.

**Recommended use** Dielectric Fluids

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Company:** Ergon, Inc.

**Address:** P.O. Box 1639  
Jackson, MS 39215

**E-mail:** sds@ergon.com

**Emergency Contacts**

**Customer Service:** 1-800-222-7122

**Chemtrec:** 1-800-424-9300 After Business Hours (North America Only)  
1-703-527-3887 After Business Hours (International)

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Serious eye damage/eye irritation Category 2  
Aspiration hazard Category 1

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger

**Hazard statement** May be fatal if swallowed and enters airways. Causes skin irritation.

### Precautionary statement

**Prevention** Do not breathe gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves.

**Response** IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water. Specific treatment see Section 4 of this SDS. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOX)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC		64742-53-6	25.0 - 99.9
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT		64742-47-8	0 - 55
C18-C50 BRANCHED, CYCLIC AND LINEAR HYDROCARBONS – DISTILLATES		848301-69-9	0 - 50

Chemical name	Common name and synonyms	CAS number	%
LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL-BASED		72623-86-0	0 - 50
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC		64742-55-8	0 - 45
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC		64742-56-9	0 - 10
2,6-DI-TERT-BUTYL-P-CRESOL		128-37-0	< 0.3

**Composition comments** Not classified as a carcinogen. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

## 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Call a physician or poison control center immediately.
<b>Skin contact</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth thoroughly. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Defatting of the skin. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>General information</b>	Contact physician if discomfort continues. Keep victim under observation.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Halon. Dry chemicals. Foam. Carbon dioxide (CO2). Water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical</b>	No unusual fire or explosion hazards noted.
<b>Special protective equipment and precautions for firefighters</b>	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
<b>Fire fighting equipment/instructions</b>	Cool containers exposed to flames with water until well after the fire is out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use pressurized air mask if product is involved in a fire.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.
<b>Methods and materials for containment and cleaning up</b>	<p>Large Spills: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth or absorbent material then place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.</p>

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Contact local authorities in case of spillage to drain/aquatic environment.

7. Handling and storage

**Precautions for safe handling** DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Do not get this material on clothing. Avoid prolonged exposure. All handling to take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly.

**Conditions for safe storage, including any incompatibilities** Store locked up. Keep away from heat, sparks and open flame. Store in a well-ventilated place. Use care in handling/storage.

8. Exposure controls/personal protection

Occupational exposure limits

**US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
C18-C50 BRANCHED, CYCLIC AND LINEAR HYDROCARBONS – DISTILLATES (CAS 848301-69-9)	PEL	400 mg/m3	
		100 ppm	
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC (CAS 64742-53-6)	PEL	5 mg/m3	Mist.
		2000 mg/m3	
		500 ppm	
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC (CAS 64742-55-8)	PEL	5 mg/m3	Mist.
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS 64742-56-9)	PEL	5 mg/m3	Mist.

**US. ACGIH Threshold Limit Values (TLV)**

Components	Type	Value	Form
2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)	TWA	2 mg/m3	Inhalable fraction and vapor.
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC (CAS 64742-53-6)	TWA	5 mg/m3	Inhalable fraction.
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC (CAS 64742-55-8)	TWA	5 mg/m3	Inhalable fraction.
LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL-BASED (CAS 72623-86-0)	TWA	5 mg/m3	Inhalable fraction.

**NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended**

Components	Type	Value
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC (CAS 64742-53-6)	IDLH	2500 mg/m3
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC (CAS 64742-55-8)	IDLH	2500 mg/m3
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS 64742-56-9)	IDLH	2500 mg/m3

**US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)**

Material	Type	Value	Form
HyVolt II C50B	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Components	Type	Value	Form
2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)	TWA	10 mg/m3	
C18-C50 BRANCHED, CYCLIC AND LINEAR HYDROCARBONS – DISTILLATES (CAS 848301-69-9)	TWA	400 mg/m3	
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8)	TWA	100 ppm	
		100 mg/m3	
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC (CAS 64742-53-6)	Ceiling	1800 mg/m3	
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC (CAS 64742-55-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
	STEL	10 mg/m3	Mist.
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (CAS 64742-56-9)	TWA	5 mg/m3	Mist.
	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Goggles/face shield are recommended.

<b>Skin protection</b>	
<b>Hand protection</b>	Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.
<b>Other</b>	Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse.
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

## 9. Physical and chemical properties

<b>Appearance</b>	Clear & bright
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Water White to Pale
<b>Odor</b>	Mild Petroleum Odor
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not applicable
<b>Melting point/freezing point</b>	-85 °F (-65 °C) ASTM D5950
<b>Initial boiling point and boiling range</b>	545 °F (285 °C) ASTM D2887/ ISO 3294
<b>Flash point</b>	311.0 °F (155.0 °C) Cleveland Open Cup ASTM D92/ ISO 2592 289.4 °F (143.0 °C) Pensky-Martens Closed Cup ASTM D93/ ISO 2719
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	0.89 (59 °F (15 °C) ASTM D4052/ ISO 12185)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not established.
<b>Auto-ignition temperature</b>	>599 °F (>315 °C) ASTM E659
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	9.5 cSt (104 °F (40 °C) ASTM D445)

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Heat, flames and sparks. Avoid temperatures exceeding the flash point.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	May be fatal if swallowed and enters airways.
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<b>Skin contact</b>	Causes skin irritation.	
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.	
<b>Ingestion</b>	May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration. May be fatal if swallowed and enters airways.	
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Defatting of the skin. Coughing. Shortness of breath. Discomfort in the chest.	
<b>Information on toxicological effects</b>		
<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.	
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Oral</b>		
LD50	Rat	> 6000 mg/kg
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5200 mg/m3, 4 Hours
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC (CAS 64742-53-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5000 mg/m³
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC (CAS 64742-55-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL-BASED (CAS 72623-86-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Prolonged exposure may cause irritation to eyes.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC (CAS 64742-53-6) 3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC (CAS 64742-53-6) Known To Be Human Carcinogen.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Chronic effects** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Further information** Risk of chemical pneumonia after aspiration.

**12. Ecological information**

**Ecotoxicity** Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

Product		Species		Test Results
HyVolt II C50B				
Aquatic				
Crustacea	EC50	Daphnia		30.3644 mg/l, 48 hours estimated
Fish	LC50	Fish		72.8745 mg/l, 96 hours estimated
Acute				
Crustacea	EC50	Daphnia		20.91 mg/l, 48 hours estimated
Fish	LC50	Fish		8.1001 mg/l, 4 days estimated
Components		Species		Test Results
2,6-DI-TERT-BUTYL-P-CRESOL (CAS 128-37-0)				
Aquatic				
Acute				
Algae	EC10	Freshwater algae		0.24 mg/l, 72 hours
Crustacea	EC50	Daphnia magna		0.48 mg/l, 48 hours
Fish	LC50	Fish		0.199 mg/l, 96 hours
Chronic				
Crustacea	NOEC	Daphnia magna		0.069 mg/l, 21 days
Fish	NOEC	Fish		0.053 mg/l, 30 days
C18-C50 BRANCHED, CYCLIC AND LINEAR HYDROCARBONS – DISTILLATES (CAS 848301-69-9)				
Aquatic				
Crustacea	EC50	Water flea (Daphnia pulex)		>= 2.7 - <= 5.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)		8.8 mg/l, 96 hours
				8.8 mg/l, 96 hours
Acute				
Crustacea	EC50	Water flea (Daphnia pulex)		>= 2.7 - <= 5.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)		8.8 mg/l, 96 hours
				8.8 mg/l, 96 hours

Components	Species	Test Results
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CAS 64742-47-8)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Bluegill (Lepomis macrochirus)
		2.2 mg/l, 4 days

Not available. \* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** Expected to be inherently biodegradable.

**Bioaccumulative potential** Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

**Partition coefficient n-octanol / water (log Kow)**

2,6-DI-TERT-BUTYL-P-CRESOL 5.1

**Mobility in soil** Expected to be slightly to moderately mobile in soil.

**Other adverse effects** Oil spills are generally hazardous to the environment.

### 13. Disposal considerations

**Disposal instructions** Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

### 14. Transport information

**DOT**  
Not regulated as dangerous goods.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**General information** Not regulated as dangerous goods.

### 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

HyVolt oils are certified to be PCB-free. HyVolt oils are processed from naturally occurring raw materials with no additives or recycled oils that might introduce PCB contamination.

**Toxic Substances Control Act (TSCA)**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT Listed.  
(CAS 64742-47-8)

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.



Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

Yes

Classified hazard categories

Serious eye damage or eye irritation  
Aspiration hazard

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	06-06-2014
Revision date	04-01-2024
Version #	08
Further information	CHEMTREC Korea: 003-0813-2549 Local CHEMTREC Numbers: CHEMTREC Mexico: 1-800-681-9531
NFPA ratings	Health: 1 Flammability: 1 Instability: 0
List of abbreviations	vPvB: very Persistent, very Bioaccumulative. PBT: Persistent, bioaccumulative, toxic. CEN: European Committee for Standardization (Comité Européen de Normalisation). TWA: Time Weighted Average. STEL: Short-term Exposure Limit. TLV: Threshold Limit Value.

## References

ACGIH  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices  
Chemical Abstracts Service Registry Handbook  
CRC: Handbook of Chemistry and Physics  
ILO Safety Cards  
International Labour Organization  
International Maritime Organization Marine Pollutants List  
NFPA Hazardous Chemical Data Sheets  
NIOSH Pocket Guide  
Registry of Toxic Effects of Chemical Substances (RTECS)  
US DOT Hazardous Materials Regulations  
Chemical safety report. Korea. Dangerous Substances Threshold Quantity (Presidential Decree of Dangerous Substances Safety Management Act No. 18406, Schedule 1)  
Korea. Regulated volatile organic compounds (VOCs) (MOE Notice No. 2001-36, March 8, 2001, as amended)

## Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

## Revision information

This document has undergone significant changes and should be reviewed in its entirety.