



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

<b>Product identifier</b>	<b>FS20022 - LUBRICITY ENHANCING FUEL FILTER</b>
<b>Other means of identification</b>	
<b>MSDS number</b>	LT16617a
<b>Product code</b>	FS20022
<b>Product use</b>	Spin-on fuel filter, with slow release fuel additives for use with light fuels.
<b>Chemical family</b>	Article. This product is considered to be a 'manufactured article'.
<b>Manufacturer</b>	
<b>Company name</b>	Cummins Filtration
<b>Address</b>	1200 Fleetguard Road Cookeville, TN, U.S.A. 38506
<b>Telephone</b>	(931) 526 9551
<b>Website</b>	www.cumminsfiltration.com
<b>E-Mail</b>	fleetmaster.us@cummins.com
<b>Supplier information</b>	Refer to Manufacturer
<b>Emergency phone number</b>	Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

## 2. Hazard(s) Identification

<b>Emergency overview</b>	<p>Solid article. No odour.</p> <p>No hazards resulting from the material as supplied. This product is considered to be a 'manufactured article'. Under normal conditions of use, users of the product cannot be exposed to its harmful contents. However, if the article is damaged and/or improperly used:</p> <p>Warning! May be harmful or fatal if swallowed. Can enter the lungs and cause damage. May be harmful if inhaled. May cause respiratory irritation. May cause nausea, vomiting, headache and other central nervous system effects. May be mildly irritating to eyes and skin. Contains material which can cause damage to the blood system, the liver and the kidneys. Possible cancer hazard - contains material which may cause cancer. Contains material that may be harmful in the environment.</p>
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Inhalation; Skin contact; Eye contact
<b>Routes of entry skin &amp; eye</b>	Causes little or no irritation.
<b>Routes of entry skin absorption</b>	Not expected to be absorbed through the skin.
<b>Routes of entry inhalation</b>	No hazards resulting from the material as supplied. However, if the article is damaged and/or improperly used: May cause irritation of the nose, throat, mucous membranes, and respiratory tract. May cause central nervous system depression.
<b>Routes of entry ingestion</b>	Not an expected route of entry.
<b>Target organs</b>	Eyes, skin, respiratory system, central nervous system, blood system, liver, brain and kidneys.
<b>Chronic effects</b>	<p>This product is considered to be a 'manufactured article'. Under normal conditions of use, users of the product cannot be exposed to its harmful contents. However, if the article is damaged and/or improperly used:</p> <p>Prolonged or repeated contact may cause drying, cracking and defatting of the skin. Contains: Naphthalene. Repeated overexposure to naphthalene may cause destruction of red blood cells with anemia, fever, jaundice and kidney and liver damage.</p>



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## Most important symptoms/effects, acute and delayed

This product is considered to be a 'manufactured article'. Under normal conditions of use, users of the product cannot be exposed to its harmful contents. However, if the article is damaged and/or improperly used:  
May be an aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.  
Suspected of causing cancer. Symptoms may include persistent coughing, shortness of breath, coughing up blood and wheezing.  
Causes damage to the blood system if swallowed. Contains: Naphthalene. Repeated overexposure to naphthalene may cause destruction of red blood cells with anemia, fever, and subsequent liver and kidney effects.  
May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties.  
May cause central nervous system depression. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.  
If material is ingested, may cause irritation to mucous membranes. May cause nausea, vomiting, and diarrhea.  
Direct eye contact may cause slight or mild, transient irritation. Symptoms may include stinging and tearing.  
Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

## Potential environmental effects

This product is considered to be a 'manufactured article'. No hazards resulting from the material as supplied. However, if the article is damaged and/or improperly used:  
Toxic to aquatic life with long lasting effects. Avoid release to the environment. See Section 12 for more environmental information.

## 3. Composition/information on ingredients

Solid article. Solid filter assembly.

Chemical name	CAS #	Percent
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	10.0 - 20.0
Linoleic acid	60-33-3	5.0 - 10.0
Naphthalene	91-20-3	1.0 - 3.0

## 4. First Aid Measures

### First aid procedures

#### Inhalation

None required under normal conditions. However, if the article is damaged and/or improperly used:  
If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Get medical attention if irritation develops and persists.

#### Skin contact

None required under normal conditions. However, if the article is damaged and/or improperly used:  
For skin contact, wash with soap and water while removing contaminated clothing. Get medical attention if irritation develops and persists.

#### Eye contact

None required under normal conditions. However, if the article is damaged and/or improperly used:  
Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

#### Ingestion

Not considered to be a hazard. However, if article is damaged or improperly used:  
If ingested, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

### Notes to physician

Provide general supportive measures and treat symptomatically.

### General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

## 5. Fire Fighting Measures

### Flammable properties

Not flammable by WHMIS criteria.

### Extinguishing media



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<b>Suitable extinguishing media</b>	Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
<b>Unsuitable extinguishing media</b>	None known.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Toxic fumes may be released during a fire. The pressure in sealed containers can increase under the influence of heat.
<b>Protective equipment for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Explosion data</b>	
<b>Sensitivity to static discharge</b>	Not expected to be sensitive to static discharge.
<b>Sensitivity to mechanical impact</b>	Not expected to be sensitive to mechanical impact.
<b>Hazardous combustion products</b>	Carbon oxides; Aldehydes; Nitrogen oxides (NOx); Other unidentified organic compounds.
<b>General fire hazards</b>	Not classified as flammable. However, may burn if exposed to extreme heat and flame.

### 6. Accidental Release Measures

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Wear appropriate protective equipment. Refer to protective measures listed in sections 7 and 8.
<b>Environmental precautions</b>	Prevent product from entering drains, sewers, waterways and soil.
<b>Methods and materials for containment and cleaning up</b>	Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labelled containers. Contact the proper local authorities. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. For waste disposal, see Section 13 of the SDS.
<b>Other information</b>	Clean up in accordance with all applicable regulations.

### 7. Handling and Storage

<b>Handling</b>	Use only outdoors or in a well-ventilated area. Wear suitable protective equipment during handling. Avoid breathing dust, fume or vapors. Avoid contact with skin, eyes and clothing. Keep away from extreme heat and direct flame. Keep away from incompatibles. Wash thoroughly after handling.
<b>Storage</b>	Store in cool/well-ventilated place. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. Do not store near any incompatible materials (see Section 10).

### 8. Exposure Controls / Personal Protection

#### Occupational exposure limits

#### U.S. OSHA Exposure Limits (29 CFR 1910)

	Type	Value
Solvent naphtha (petroleum), heavy (CAS 64742-94-5)	TWA	500 ppm (as petroleum distillates, naphtha)
Naphthalene (CAS 91-20-3)	TWA	10 ppm (50 mg/m <sup>3</sup> )



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## US. ACGIH Threshold Limit Values

	Type	Value
Naphthalene (CAS 91-20-3)	TWA	10 ppm (skin)

## Biological limit values

Naphthalene	(CAS 91-20-3)	Parameter 1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis (nonquantitative, nonspecific)
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## US ACGIH Threshold Limit Values: Skin designation

Naphthalene(CAS 91-20-3)

Can be absorbed through skin

## Engineering controls

Ensure adequate ventilation, especially in confined areas. Local exhaust ventilation is preferred to prevent contaminant dispersion into work area. In case of insufficient ventilation wear suitable respiratory equipment.

## Personal protective equipment

### Eye / face protection

None required when used as intended.  
If contact is likely, safety glasses with side shields are recommended.

### Skin protection

None required when used as intended.  
For prolonged or repeated contact use protective gloves. Advice should be sought from glove suppliers. Wear sufficient clothing to prevent skin contact.

### Respiratory protection

If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Advice should be sought from respiratory protection specialists.

### Hand protection

Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

## 9. Physical and chemical properties

### Appearance

Physical state	Solid article. Solid filter assembly.
Form	Amber coloured, absorbed liquid.
Colour	amber

Odour No odour.

Odour threshold N/Av

pH N/Av

Melting point /freezing point N/Av

### Initial boiling point and boiling range

N/Av

Flash point 106°C (223°F)  
Pensky Martens Closed Cup

Evaporation rate N/Av

Flammability (solid, gas) Not considered flammable.

Lower flammability/explosive limit N/Av

Upper flammability/explosive limit N/Av

Vapour pressure N/Av

Vapour density N/Av

Relative density N/Av

### Solubility(ies)

Other solubility(ies) N/Av

Solubility (water) Insoluble.

Partition coefficient (n-octanol/water) N/Av

Auto-ignition temperature N/Av

<b>Decomposition temperature</b>	N/Av
<b>Viscosity</b>	15.1 cSt @ 40°C (104°F) (absorbed liquid)
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive
<b>Oxidizing properties</b>	None known.
<b>Specific gravity</b>	N/Av
<b>VOC</b>	N/Av
<b>Volatilities %</b>	N/Av
<b>Other physical/chemical data</b>	No additional information.

## 10. Stability and reactivity

<b>Reactivity</b>	Not normally reactive.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur. No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizers (e.g. Chlorine, Peroxides, etc.), acids (e.g. sulfuric acid, nitric acid), caustics.
<b>Hazardous decomposition products</b>	None known, refer to hazardous combustion products in Section 5.

## 11. Toxicological information

### Toxicological data

Components	Species	Test Results
Solvent naphtha (petroleum), heavy aromatic		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 3160 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 17.1 mg/L (mist)
<i>Oral</i>		
LD50	Rat	> 6000 mg/kg
Linoleic acid		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 18 000 mg/kg (guinea pig)
<i>Inhalation</i>		
LC50	Rat	N/Av
<i>Oral</i>		
LD50	Rat	> 3200 mg/kg
Naphthalene		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 20 000 mg/kg
<i>Inhalation</i>		
LC50	Rat	N/Av
<i>Oral</i>		
LD50	Rat	490 mg/kg (rat) 533 mg/kg (mouse)

**Acute effects**

This product is considered to be a 'manufactured article'. Under normal conditions of use, users of the product cannot be exposed to its harmful contents. However, if the article is damaged and/or improperly used:  
 May cause respiratory irritation. May cause central nervous system depression. Aspiration hazard if swallowed - can enter lungs and cause damage. May cause gastrointestinal irritation. Direct eye contact may cause slight or mild, transient irritation. Direct skin contact may cause slight or mild, transient irritation.  
 See data above for individual ingredient acute toxicity data.

**Senitization**

Not expected to be a skin or respiratory sensitizer.

**Chronic effects**

This product is considered to be a 'manufactured article'. Under normal conditions of use, users of the product cannot be exposed to its harmful contents. However, if the article is damaged and/or improperly used:  
 Prolonged or repeated contact may cause drying, cracking and defatting of the skin.  
 Contains: Naphthalene. Repeated overexposure to naphthalene may cause destruction of red blood cells with anemia, fever, jaundice and kidney and liver damage.

**Carcinogenicity**

This product is considered to be a 'manufactured article'. No hazards resulting from the material as supplied. However, if the article is damaged and/or improperly used:  
 Suspected of causing cancer. Contains Naphthalene. Naphthalene is classified as carcinogenic by IARC (Group 2B) and NTP (Group 2 - Reasonably anticipated).  
 See below for ingredients present on regulatory lists.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Naphthalene(CAS 91-20-3)

Group 2B (Possibly Carcinogenic to Humans)

**ACGIH Carcinogenicity**

Naphthalene(CAS 91-20-3)

A4 - Not Classifiable as a Human Carcinogen

**Skin corrosion/irritation**

Direct skin contact may result in little or no irritation.

**Serious eye damage/irritation**

Causes little or no irritation.

**Mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Reproductive effects**

Not expected to cause reproductive effects.

**Teratogenicity**

Not expected to be a teratogen.

**Most important symptoms/effects, acute and delayed**

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 May be an aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.  
 Suspected of causing cancer. Symptoms may include persistent coughing, shortness of breath, coughing up blood and wheezing.  
 Causes damage to the blood system if swallowed. Contains: Naphthalene. Repeated overexposure to naphthalene may cause destruction of red blood cells with anemia, fever, and subsequent liver and kidney effects.  
 May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties.  
 May cause central nervous system depression. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.  
 If material is ingested, may cause irritation to mucous membranes. May cause nausea, vomiting, and diarrhea.  
 Direct eye contact may cause slight or mild, transient irritation. Symptoms may include stinging and tearing.  
 Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

**Further information**

None known or reported by the manufacturer.

**12. Ecological information**
**Ecotoxicity data:**

Components	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	3.6 mg/L (Rainbow trout)	N/Av	None.
Linoleic acid	60-33-3	> 56 mg/L (Rainbow trout) (Read-across)	N/Av	None.
Naphthalene	91-20-3	0.96 mg/L (pink salmon)	0.12 mg/L/40 days	1

Components	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	1.1 mg/L (Daphnia magna)	N/Av	None.
Linoleic acid	60-33-3	55 mg/L (Daphnia magna) (exceeds expected water solubility)	N/Av	None.
Naphthalene	91-20-3	3.4 mg/L (Daphnia magna)	0.22 - 0.6 mg/L	None.

Components	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	7.2 mg/L/72hr (Green algae)	0.22 mg/L/72hr	None.
Linoleic acid	60-33-3	> 100 mg/L/72hr (Green algae) (Read-across)	N/Av	None.
Naphthalene	91-20-3	0.4 mg/L/72hr Skeletonema costatum (Diatom)	N/Av	1

**Ecotoxicity**

As supplied, this product does not present a physical, health or environmental hazard. However, if the article is damaged and/or improperly used:

Toxic to aquatic life with long lasting effects. No data is available on the product itself. The product contains the following substances which are hazardous for the environment: Solvent naphtha (petroleum), heavy aromatic; Naphthalene. See above for individual ingredient ecotoxicity data.

**Environmental effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

**Aquatic toxicity**

No data is available on the product itself.

**Persistence and degradability**

No data is available on the product itself. Contains the following chemicals which are not readily biodegradable: Solvent naphtha (petroleum), heavy aromatic; Linoleic acid; Naphthalene.

**Bioaccumulation / accumulation**

The product itself has not been tested.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Solvent naphtha (petroleum), heavy aromatic (CAS 64742-94-5)	> 3, to < 6.5	N/Av
Linoleic acid (CAS 60-33-3)	7.05	3.16 - 56.2
Naphthalene (CAS 91-20-3)	3.7	427 (Fathead minnow)

**Mobility in soil**

The product itself has not been tested.

**13. Disposal consideration**

**Disposal instructions** Handle waste according to recommendations in Section 7.  
**Waste from residues / unused products** Dispose of contents/container in accordance with local regulation.  
**Contaminated packaging** Empty containers should be taken for local recycling or waste disposal.

**14. Transport information**

<b>TDG</b>	
<b>UN Number</b>	UN3082
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Petroleum naphtha; Naphthalene)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	None
<b>Packaging group</b>	III
<b>Environmental hazards</b>	Yes
<b>Special precautions for user</b>	<i>This apparatus may be shipped as an exempted material in accordance with TDG Section 1.29. Refer to IATA or IMDG, as appropriate for international air or sea shipments.</i>
<b>ICAO/IATA</b>	
<b>UN Number</b>	UN3363
<b>UN proper shipping name</b>	Dangerous goods in apparatus
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	None
<b>Packaging group</b>	None
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	9L
<b>Special precautions for user</b>	Cannot be shipped as LIMITED QUANTITY. Read safety instructions, SDS and emergency procedures before handling. Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed
<b>Cargo aircraft only</b>	Allowed
<b>IMDG</b>	
<b>UN Number</b>	UN3363
<b>UN proper shipping name</b>	DANGEROUS GOODS IN APPARATUS
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	None
<b>Packaging group</b>	None
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-A; S-P
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.







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## General information

Appropriate advice on safety must accompany the package.  
This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

## 15. Regulatory information

### Canadian regulations

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

### WHMIS status

This product is not a WHMIS controlled product in Canada. This product is considered to be a 'manufactured article'.

### International Inventories

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

Components listed below are present on the following International Inventory lists:

<u>Ingredients</u>	<u>CAS #</u>	<u>European EINECs</u>	<u>Australia AICS</u>	<u>Philippines PICCS</u>	<u>Japan ENCS</u>	<u>Korea KECI/KECL</u>	<u>China IECSC</u>	<u>NewZealand IOC</u>
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	265-198-5	Present	Present	(9)-2578	KE-31656	Present	May be used as a single component chemical under an appropriate group standard
Linoleic acid	60-33-3	200-470-9	Present	Present	(2)-609	KE-26285	Present	May be used as a single component chemical under an appropriate group standard
Naphthalene	91-20-3	202-049-5	Present	Present	(4)-311	KE-25545	Present	HSR001287

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

### NFPA Rating

0 - Minimal      1 - Slight      2 - Moderate      3 - Serious  
: Health: 0      Flammability: 1      Instability: 0      Special Hazards: None.

### HMIS Rating

\* - Chronic hazard      0 - Minimal      1 - Slight      2 - Moderate      3 - Serious  
: Health: 0      Flammability: 1      Reactivity: 0

### Issue date

06/02/2015

### Version #

1

### Legend

ACGIH: American Conference of Governmental Industrial Hygienists  
AICS: Australian Inventory of Chemical Substances  
CAS: Chemical Abstract Services  
CSA: Canadian Standards Association  
EC50: Effective Concentration 50%.  
EINECS: European Inventory of Existing Commercial chemical Substances  
ENCS: Existing and New Chemical Substances  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
IBC: Intermediate Bulk Container  
IECSC: Inventory of Existing Chemical Substances  
IMDG: International Maritime Dangerous Goods  
IOC: Inventory of Chemicals  
KECI: Korean Existing Chemicals Inventory

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KECL: Korean Existing Chemicals List  
LC: Lethal Concentration  
LD: Lethal Dose  
N/Ap: Not Applicable  
N/Av: Not Available  
NIOSH: National Institute of Occupational Safety and Health  
NOEC: No observable effect concentration  
NTP: National Toxicology Program  
OECD: Organisation for Economic Co-operation and Development  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible exposure limit  
PNOS: Particles Not Otherwise Specified  
PICCS: Philippine Inventory of Chemicals and Chemical Substances  
RTECS: Registry of Toxic Effects of Chemical Substances  
SDS: Safety Data Sheet  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TSCA: Toxic Substance Control Act  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Identification System

### Bibliography

1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2015.
2. International Agency for Research on Cancer Monographs, searched 2015.
3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2015 (Chempendium, HSDB and RTECs).
4. Material Safety Data Sheets from manufacturer.
5. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.

### Disclaimer

Prepared by: ICC The Compliance Center Inc.  
<http://www.thecompliancecenter.com>

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