

LEMBAR DATA KESELAMATAN BAHAN

1. Identitas Bahan dan Perusahaan

Mustang 25 EC

PT. FMC Corporation
 Agricultural product group - Indonesia
 BINA GUNA KIMIA
 Wisma Kodel It. 10
 Jl. HR Rasuna Said
 Jakarta-Indonesia

Nama Produk : Mustang ® 25 g/L EC insektisida

Kode produk : 1631
 Bahan aktif : zeta cypermethrin
 Golongan : sintetik piretroid
 Rumus molekul : C₂₂H₁₉Cl₂NO₃

Sinonim : FM C 56701; S-cyano (3-phenoxyphenyl) methyl (+/-) cis/trans 3- (2,2-dichloroethenyl)-2,2 dimethylcyclopropanecarboxylate
 IUPAC : S-alpha-cyano-3-phenoxybenzyl-1R-cis-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
 S-alpha-cyano-3-phenoxybenzyl (1RS,3RS,1SR,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate.

Alternatif nama dagang : Fury 2.5 EC, Fury 25 EC

2. Komposisi atau informasi bahan aktif

Produk ini mengandung:

Nama kimia	CAS#	Berat %	PEL/TLV	EC No	EC class
Zeta-cypermethrin	52315-07-8	2.75	Tidak ada	Tidak ada	Tidak ada
Aromatic hidrokarbon	64742-95-6	< 78	100 ppm	650-001-00-0	R65
Surfaktan campuran	0000-00-0	< 9.2	Tidak ada	Tidak ada	Tidak ada
Naftalen	91-20-3	< 8.6	10 – 15 ppm STEL	Tidak ada	Tidak ada

3. Identifikasi potensi bahaya

- cairan berwarna coklat jernih dengan aroma yang khas
- mudah terbakar.
- Dekomposisi akibat pemanasan dan pembakaran dapat menyebabkan pembentukan racun
- Untuk ledakan ataupun api, gunakan perlengkapan safety.
- Sangat beracun untuk ikan dan organisme perairan. Pastikan tetap kering dan jauhkan dari air
- Iritasi sedang pada kulit dan mata

Pengaruh potensial pada kesehatan

Kontak langsung dengan produk ini dapat menyebabkan sensasi panas seperti terbakar. Efek lain yang mungkin muncul adalah gemetar.

4. Petunjuk Pertolongan Pertama

BILA TERKENA KULIT

Cucilah kulit yang terkena dengan air dan sabun, kemudian ikuti saran dokter.

BILA TERKENA MATA

Cucilah segera mata yang terkena dengan air bersih selama 15 menit dan pergilah segera ke dokter mata.

BILA TERHISAP

Bawalah penderita ke ruangan yang berudara segar. Hubungi dokter segera.

BILA TERTELAN

Pergilah segera ke dokter unit gawat darurat.

PETUNJUK UMUM

Jauhkan penderita yang terkena dari daerah yang berbahaya. Tanggalkan segera pakaian yang terkena produk.

INFORMASI UNTUK DOKTER

Periksa korban terutama pada pernafasan, detak jantung dan segera lakukan pertolongan darurat. Kandungan senyawa aromatik mungkin dapat menyebabkan pneumatik.

5. Tindakan pemadam kebakaran

Titik nyala : 56oC (133°F) (CC)

Bahan mudah terbakar, berbahaya dan gas beracun yang terdapat pada asap adalah CO dan NOx

Peralatan yang direkomendasikan : sprayed water, busa, bubuk pemadam kebakaran, CO2 dan pasir. Gunakan alat pelindung respirator. Pada ruangan yang berventilasi cukup: gunakan masker penutup muka dengan kombinasi filter.

Potensi bahaya dekomposisi produk : CO, CO2, HCN, Klorin dan HCl

6. Petunjuk Bila terjadi Kecelakaan

PETUNJUK PENANGANAN YANG AMAN:

Perbaiki produk dengan memompa, mengisap atau diserap dengan menggunakan media kering atau absorban inert seperti tanah liat.

Serap produk yang bocor dengan menggunakan psair kering atau tanah.

Pindahkan dan tempatkan pada tempat yang layak dan tertutup serta diberi label.

Untuk pemusnahan lihat bagian 13.

7. Penanganan dan Penyimpanan

Penanganan

Simpan ditempat yang kering dan sejuk, memiliki ventilasi yang baik. Jangan disimpan didekat api atau sumber panas. Simpan dikemasan aslinya. Ketika menangani bahan kimia ini dilarang untuk makan, minum ataupun merokok (S 20/21). Jauhkan dari anak-anak (S 2). Jauhkan dari makanan, minuman, ataupun pakan ternak.

8. Petunjuk Keamanan Pada Pekerja

Pastikan ventilasi dan sirkulasi udara ditempat penyimpanan berfungsi dengan baik. Gunakan sarung tangan karet dan goggle.

Pernafasan

masker gas dengan filter universal. Apabila ada kasus dengan gas yang berat, maka gunakanlah peralatan pernafasan tambahan dengan bantuan ketersediaan oksigen

Tangan

sarung tangan (gloves) yang tahan terhadap bahan kimia

Mata dan wajah

kaca mata pelindung

kulit

kain katun yang tebal atau pakaian kerja sintesis, apron, sepatu safety

Praktisi higienis

cuci secara seksama (pancuran, mandi, cuci rambut). Bersihkan secara seksama kontaminan pada alat dengan sabun dan larutan soda.

Tindakan pencegahan setelah bekerja

Cuci secara seksama (siram, mandu, cuci rambut). Ganti pakaian. Lakukan pembersihan secara seksama untuk melakukan tindakan pencegahan. Bersihkan secara seksama kontaminan dengan sabun atau larutan soda.

Catatan: untuk APD yang direkomendasikan untuk aplikasi lebih baik menggunakan nitril ataupun merk Viton.

9. Sifat fisik dan kimia

Aroma : aromatic

Kenampakan: cairan coklat gelap

pH 4.08 (5% dalam air)

kelarutan dalam air : teremulsi

berat jenis : 0.916 @ 20°C (air = 1)

berat molekul : 416,3 (zeta cypermethrin)

berat per volume : 7.63 lb/ gal (916 g/L)

10. Stabilitas dan Reaktivitas

Stabil pada kondisi di bawah normal. Tidak ada reaksi berbahaya pada kondisi dibawah normal. Polimerisasi tidak dapat terjadi.

11. Informasi Toksikologi

Toksisitas akut :

1. LD50 oral, tikus : > 86 mg/kg
2. LD50 dermal, tikus : > 2000 mg/kg
3. sensitivitas : zeta cypemethrin dapat menyebabkan sensitivitas pada kulit selama trial di laboratorium.

Efek akut dari tekanan berlebih :

- iritasi pada mata dan kulit.
- Asap dari bahan ini dapat mengakibatkan iritasi pada mata
- Naftalen jika termakan mungkin dapat menyebabkan hemolisis sel darah merah terutama untuk orang yang mengidap kekurangan glukosa-6 posfat dehidrogenase

Efek kronis dari tekanan berlebih :

- Tidak ada data yang tersedia pada formulasi ini. Penelitian yang dilakukan dilaboratorium

dengan beberapa hewan, diketahui bahwa zeta cypermethrin ini tidak menimbulkan efek teratogenik, mutagenik, karsinogenik maupun genomik. Studi yang dilakukan untuk mengetahui efel karsinogenik dilakukan dengan memaparkan 10-30 ppm zeta cypermethrin ke tikus betina. Dan hasilnya selama 2 tahun tidak ditemui adanya efek karsinogenik.

12. Informasi Ekologi

Data lingkungan :

Secara fisik dan lingkungan, sifat toksikologi zeta cypermethrin memiliki sifat yang kurang lebih sama dengan cypermethrin. Pada umumnya cypermethrin dapat didegradasi di tanah dengan waktu paruh 2-4 minggu. Bahan aktif ini terhidrolisis dibawah kondisi normal (pH=9), tetapi pada kondisi dibawah asam dan netral, hidrolisis waktu paruh sekitar 20-29 hari. Cypermethrin memiliki afinitas organik yang tinggi dan biokonsentrasi yang rendah (BCF = 17) dan itu tidak bergerak di tanah.

Efek ekotoksikologi :

Zeta cypermethrin sangat beracun untuk ikan dan arthropod perairan dan nilai LC50 yang diketahui berkisar antar 0.002 µg/L – 2.37 µg/L. Nilai ini dibandingkan dengan cypermethrin pada LD50 oral lebih besar yaitu 10.248 mg/ kg.

13. Pertimbangan Pemusnahan

Masukkan wadah bekas dan sisa produk ke dalam wadah khusus kemudian tutup dan beri label. Musnahkan bahan-bahan tersebut dengan cara membakar ke dalam incenerator sesuai dengan peraturan pemusnahan yang ada. Bila dalam jumlah banyak, hubungi produsen/supplier.

Kemasan kosong: tidak dapat digunakan kembali dan kondisi kemasan harus bersih. Pencucian kemasan ini harus dilakukan berulang atau sampai 3 kali pencucian dan didaur ulang dengan menggunakan incinerator. Jangan memotong kemasan kaleng. Aroma yang tercium dapat menyebabkan potensi bahaya.

14. Informasi Pengangkutan

US Departemen of Transportation (DOT)

Nama pelayaran : pestisida piretroid, cair, beracun dan mudah terbakar

Nama teknis : zeta cypermethrin

Potensi bahaya primer/ divisi : 6.1

Nomor UN/NA : UN3351

Grup kemasan : III

Kuantitas yang dilaporkan : tidak ada

US – regulasi penerbangan : insektisida, NOI, racun kelas A, NFMC 102100

Pengiriman laut : zeta cypermethrin

NAERG : 131

15. Informasi Peraturan

United States

SARA TITLE III (Amandemen dan re-otorisasi)

Bagian 302 – potensi bahaya ekstrem (40 CFR 355) ; tidak tertera

Bagian 311 – kategori potensi bahaya (40 CFR 370) : secepatnya, terlambat, api

Bagian 312 – penyimpanan dan perencanaan (40 CFR 370) : penyimpanan dan perencanaan untuk produk ini kuantitas yang ditentukan kurang dari 10000 lbs : tidak tertera

Bagian 313 – bahan aktif yang dapat dilaporkan (40 CFR 372) ; produk ini mengandung bahan aktif naftalene (< 8.6%)

Komentar : Australian hazard code : 3XE

16. Informasi Tambahan

Revisi perbaikan : 2012-11-25

Catatan:

Produk ini terdaftar pada departemen pertanian dan harus digunakan dengan mengikuti petunjuk pada label. Paket komprehensif dari data toksikologi dan lingkungan untuk bahan aktif produk ini harus di submit kepada badan kesehatan lingkungan dengan perijinan yang telah di evaluasi oleh ahli toksikologi dan ilmuwan lingkungan.

MATERIAL SAFETY DATA SHEET

MUSTANG® 25 g/L EC INSECTICIDE

Revision Date: 2012-11-25



This MSDS has been prepared to meet U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Workplace Hazardous Materials Information System (WHMIS) requirements.

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	MUSTANG® 25 EC INSECTICIDE
Active Ingredient(s)	Zeta-cypermethrin
Alternate Commercial Name	FURY® 25 EC
Synonyms	FMC 56701; A mixture of the stereoisomers (S)- α -cyano-3-phenoxybenzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate where the ratio of the (S):(1RS,3RS) isomeric pair to the (S):(1RS,3SR) isomeric pair lies in the ratio range 45–55 to 55–45; (S)-cyano(3-phenoxyphenyl)methyl (\pm)-cis-trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate
Chemical Family	Pyrethroid Pesticide
<u>Manufacturer</u>	Emergency telephone number
FMC Corporation Agricultural Products Group 1735 Market Street Philadelphia, PA 19103 General Information: Phone: (215) 299-6000 E-mail: msdsinfo@fmc.com	Medical Emergencies: (800) 331-3148 (U.S.A. & Canada) +1 (651) 632-6793 (All Other Countries – Collect) For leak, fire, spill or accident emergencies, call: +1 800 / 424 9300 (CHEMTREC – U.S.A.) +1 703 / 527 3887 (CHEMTREC – Collect – All Other Countries)

2. HAZARDS IDENTIFICATION

<u>Appearance</u>	Yellow liquid
<u>Physical state</u>	Liquid
<u>Odor</u>	Hydrocarbon-like
<u>Physical or Chemical Hazards</u>	
<u>Flammable properties</u>	Combustible liquid
<u>Potential health effects</u>	
Acute effects	
Eyes	May cause slight irritation
Skin	Irritating to skin
Inhalation	Toxic by inhalation. May cause irritation of respiratory tract. May cause drowsiness and

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dizziness.

Ingestion	Harmful if swallowed. Potential for aspiration if swallowed. May cause central nervous system depression.
Chronic effects	Repeated or prolonged exposure may cause central nervous system effects. May cause adverse liver effects. May cause adverse kidney effects.
<u>Environmental hazard</u>	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical Name	CAS No	Weight %
Aromatic Hydrocarbons	Proprietary	> 80
Zeta-cypermethrin	52315-07-8	2.8

4. FIRST AID MEASURES

Eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not induce vomiting or give anything by mouth to an unconscious person.
Notes to physician	Contains petroleum distillate. Vomiting may cause aspiration pneumonia. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

5. FIRE-FIGHTING MEASURES

<u>Flammable properties</u>	Combustible liquid
Flash Point Method	> 82 °C /180 °F Tag closed cup
Sensitivity to Mechanical Impact	Not applicable
Sensitivity to Static Discharge	Not applicable
Suitable extinguishing media	Foam. Carbon dioxide (CO ₂), Dry chemical, Soft stream or water fog only if necessary.
Protective equipment and precautions for firefighters	Wear self-contained breathing apparatus and protective suit.

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NFPA

Health Hazard	2
Flammability	2
Stability	0
Special Hazards	-

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Isolate and post spill area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.
Environmental precautions	Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.
Methods for containment	Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for cleaning up	Clean and neutralize spill area, tools and equipment by washing with bleach water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.
Other	For further clean-up instructions call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

7. HANDLING AND STORAGE

Handling	Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.
Storage	Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Store in original container only.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Occupational exposure controls

Engineering measures Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Personal Protective Equipment

General Information If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Respiratory protection For dust, splash, mist or spray exposures wear a filtering mask.

Eye/Face protection For dust, splash, mist or spray exposure, wear chemical protective goggles or a face-shield.

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Skin and body protection	Wear long-sleeved shirt, long pants, socks, shoes, and gloves.
Hand protection	Protective gloves
Hygiene measures	Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow liquid
Color	Yellow
Physical state	Liquid
Odor	Hydrocarbon-like
pH	4.2 – 4.3 @ 22 °C
Melting Point/Range	No information available
Freezing point	No information available
Boiling Point/Range	Not applicable
Flash Point	82 °C / 180 °F Tag closed cup
Evaporation rate	Not applicable
Autoignition Temperature	Not applicable
Flammable properties	Combustible liquid
Vapor pressure	No information available
Vapor density	No information available
Density	8.24 lb/gal
Specific Gravity	0.996
Water solubility	Emulsifies
Percent volatile	No information available
Partition coefficient	Not applicable
Viscosity	No information available
Oxidizing properties	Not applicable

10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid	Heat, flames and sparks
Hazardous decomposition products	Carbon oxides. Hydrogen chloride. Hydrogen fluoride
Hazardous polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

<u>Acute Toxicity</u>	Signs of toxicity in laboratory animals included tremors, tonic-clonic convulsions, loss of muscle control, rales, bloody oral discharge, hypersensitivity to touch and ataxia
Eye contact	May cause slight irritation

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Skin contact	Irritation to skin
Ingestion	Potential for aspiration if swallowed. Vomiting after ingestion of this product may cause aspiration of aromatic hydrocarbons into the lungs, which may result in fatal pulmonary edema.
Inhalation	Inhalation of aromatic hydrocarbon vapors may cause dizziness, disturbances in vision, drowsiness, respiratory irritation, and eye, skin and mucous membrane irritation.
LD₅₀ Oral	278 mg/kg (rat)
LD₅₀ Dermal	> 2,000 mg/kg (rabbit)
LC₅₀ Inhalation	> 1.36 mg/L 4 hr (rat)
Sensitization	May cause sensitization by skin contact

Chronic Toxicity – Other Ingredients(s)

Chronic Toxicity	Repeated or prolonged exposure may cause central nervous system effects. Chronic exposure to aromatic hydrocarbons may cause headaches, dizziness, loss of sensations or feelings (such as numbness), and liver and kidney damage.
Carcinogenicity	Cypermethrin cause an increase in benign lung tumors in mice, but not in rats, and was negative for genotoxicity. EPA has classified Zeta-cypermethrin as a possible human carcinogen based on this information, but does not regulate based on its low cancer risk. Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).
Mutagenicity	Zeta-cypermethrin: Not genotoxic
Reproductive toxicity	Zeta-cypermethrin: No toxicity to reproduction
Neurological Effects	Cypermethrin is known to induce neuromuscular effects (i.e. gait abnormalities, tremors, reduced motor activity, changes in functional observation battery parameters and convulsions) in mammals, but does not generally induce neuropathologic lesions. These clinical signs occurred following an acute exposure and appeared to be transient in nature. Effects occurred via oral and inhalation exposure but not by the dermal exposure route.
Developmental Toxicity	Zeta-cypermethrin: Not teratogenic in animal studies.

12. ECOLOGICAL INFORMATION

Marine pollutant Zeta-cypermethrin

Ecotoxicity

Zeta-cypermethrin (52315-07-8)

Active Ingredient(s)	Duration	Species	Value	Units
Zeta-cypermethrin	EC ₅₀	Aquatic organisms	0.005 – 0.15	µg/L
	96h LC ₅₀	Fish	0.07 – 2.37	µg/L
	LD ₅₀ Oral	Bobwhite quail	> 2000	mg/kg
	LD ₅₀	Bee	0.0014 – 0.043	mg/kg

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Aromatic hydrocarbons	2.5 mg/L EC ₅₀ 72h (Skeletonema costatum)	LC ₅₀ 19 mg/L Pimephales promelas 96h LC ₅₀ 2.34		EC ₅₀ 0.95 mg/L 48h

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		mg/L Oncorhynchus mykiss 96h LC ₅₀ 1740 mg/L Lepomis macrochirus 96h LC ₅₀ 45 mg/L Pimephales promelas 96h LC ₅₀ 41 mg/L Pimephales promelas 96h		
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Environmental Fate

Zeta-cypermethrin (52315-07-8)

Active Ingredient(s)	Type of Test	Result
Zeta-cypermethrin	Bioconcentration factor (BCF)	443
	Half-life in soil	2-4 weeks
	log Pow	5
	Mobility in soil	Not expected to reach groundwater
	Stability in water	Hydrolysis unstable at pH 9, half life 20-29 days at pH 5 and 7

Chemical Name	low Pow
Aromatic hydrocarbons	2.9 – 6.1

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance.

Contaminated packaging

Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

14. TRANSPORT INFORMATION

DOT

Packaging Type	Bulk, Non-Bulk
Proper shipping name	Combustible liquid, n.o.s.
Hazard Class	Combustible
UN/ID No	NA1993
Packing group	III
Marine pollutant	Zeta-cypermethrin

TDG

	Classification below is only applicable when shipped by vessel and is not applicable when shipped by road or rail only.
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class	9
UN/ID No	UN 3082
Packing group	III
Marine pollutant	Zeta-cypermethrin
Description	UN 3082, Environmentally hazardous substance, liquid, n.o.s. (zeta-cypermethrin), 9 PG III, Marine pollutant

ICAO/IATA

UN/ID No	UN 3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class	9
Packing group	III
Marine pollutant	Zeta-cypermethrin

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Description UN 3082, Environmentally hazardous substance, liquid, n.o.s. (zeta-cypermethrin), 9 PG III
Limited quantity 30 kg G

IMDG/IMO

Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
UN/ID No UN 3082
Packing group III
EmS No. F-A, S-F
Marine pollutant Zeta-cypermethrin

15. REGULATORY INFORMATION

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:

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

International Regulations

Mexico – Grade Moderate risk, Grade 2

Canada

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

WHMIS Hazard Class B3 Combustible liquid
D1B Toxic materials
D2B Toxic materials



16. OTHER INFORMATION

Revision Date: 2012-11-25
Reason for revision: (M)SDS sections updated

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