



Safety Data Sheet



Bristol-Myers Squibb Company

1. IDENTIFICATION											
<i>Product Information</i>											
Product name	COUMADIN® (warfarin sodium) 1 mg, 2 mg, 2.5 mg, 3 mg, 4 mg, and 5 mg Tablets										
Version	1.2, 19.10.2012										
Jurisdiction	This Safety Data Sheet was prepared in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) for the United States of America (USA) (CFR 1910.1200), European Union (EU) (EC 1272/2008) and United Nations (UN). The following countries utilize the UN GHS classification process: Mexico, Brazil, China, New Zealand, Canada, Japan, Korea and Australia.										
Synonyms	Warfarin Sodium 1 mg, 2 mg, 2.5 mg, 3 mg, 4 mg, and 5 mg Tablets										
Intended Uses	This material is a finished drug product for patient use. It is used as an anticoagulant.										
<i>Company/Undertaking Identification</i>											
Address	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><u>USA</u></td> <td style="width: 33%;"><u>Ireland</u></td> </tr> <tr> <td>Bristol-Myers Squibb Company</td> <td>Bristol-Myers Squibb Company</td> </tr> <tr> <td>P.O. Box 191</td> <td>Swords Laboratories, Watery Lane</td> </tr> <tr> <td>New Brunswick, New Jersey 08903</td> <td>Swords, Ireland</td> </tr> <tr> <td>United States of America</td> <td>MG-GBS-MSDS-Request@bms.com</td> </tr> </table>	<u>USA</u>	<u>Ireland</u>	Bristol-Myers Squibb Company	Bristol-Myers Squibb Company	P.O. Box 191	Swords Laboratories, Watery Lane	New Brunswick, New Jersey 08903	Swords, Ireland	United States of America	MG-GBS-MSDS-Request@bms.com
<u>USA</u>	<u>Ireland</u>										
Bristol-Myers Squibb Company	Bristol-Myers Squibb Company										
P.O. Box 191	Swords Laboratories, Watery Lane										
New Brunswick, New Jersey 08903	Swords, Ireland										
United States of America	MG-GBS-MSDS-Request@bms.com										
Emergency Phone Number	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">USA (also Canada, Puerto Rico and the Virgin Island): 1-800-424-9300</td> <td style="width: 33%;"><u>Ireland</u>: 353-1813-9456</td> </tr> <tr> <td colspan="2">Other Countries: See "Section 16" for country-specific emergency phone numbers from CHEMTREC.</td> </tr> </table>	USA (also Canada, Puerto Rico and the Virgin Island): 1-800-424-9300	<u>Ireland</u> : 353-1813-9456	Other Countries: See "Section 16" for country-specific emergency phone numbers from CHEMTREC.							
USA (also Canada, Puerto Rico and the Virgin Island): 1-800-424-9300	<u>Ireland</u> : 353-1813-9456										
Other Countries: See "Section 16" for country-specific emergency phone numbers from CHEMTREC.											

2. HAZARDS IDENTIFICATION	
Classification and Labelling Common to All Jurisdictions	
Classification	Toxic To Reproduction - Developmental Toxicity - Category 1A
Symbol	
Signal Word	Danger
Hazard Statements	May damage the unborn child
Precautionary Statements	Use personal protective equipment as required. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Classification and Labelling for Specific Jurisdictions	
USA	
Classification	Acute Toxicity - Oral - Category 4 Acute Toxicity - Dermal - Category 4

2. HAZARDS IDENTIFICATION	
	Acute Toxicity - Inhalation - Category 1 Specific Target Organ Systemic Toxicity (Repeated Exposure) - Category 1
Symbol	
Hazard Statements	Harmful if swallowed. Harmful in contact with skin. Fatal if inhaled. Causes damage to organs (blood, cardiovascular system) through prolonged or repeated exposure.
Precautionary Statements	Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wear protective gloves/clothing and eye/face protection.
EU	
Classification	Specific Target Organ Systemic Toxicity (Repeated Exposure) - Category 2
Hazard Statements	May cause damage to organs (blood, cardiovascular system) through prolonged or repeated exposure.
Precautionary Statements	Do not breathe dust/fume/gas/mist/vapours/spray.
UN	
Classification	Acute Toxicity - Oral - Category 4 Acute Toxicity - Dermal - Category 4 Acute Toxicity - Inhalation - Category 1 Specific Target Organ Systemic Toxicity (Repeated Exposure) - Category 1
Symbol	
Hazard Statements	Fatal if inhaled. Harmful if swallowed. Harmful in contact with skin. Causes damage to organs (blood, cardiovascular system) through prolonged or repeated exposure.
Precautionary Statements	Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wear protective gloves/clothing and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Concentration	CAS-No.	EU only		
			EINECS/ELINCS/ Number	Symbol(s)/ R-phrase(s)	H-code(s)
<i>Hazardous components</i> Warfarin Sodium	0.5 - 2.5 %	129-06-6	204-929-4	T: R48/25, R61, R52/53	H360D H372 H412
<i>Other ingredients</i> Non-Hazardous Ingredients	< 97 %	Not available	--	--	--
See section 16 for Symbol, R-phrase and H-code text.					

4. FIRST AID MEASURES

Eye contact	Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Obtain medical attention.
Skin contact	If ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before re-use.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
Notes to Physician	Medical conditions aggravated include: allergic reactions, blood disorders, ulceration, hypertension. Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours. For significant ingestions activated charcoal may be administered to decrease exposure. If exposure results in significant bleeding administration of plasma, packed red blood cells and/or Vitamin K1 may be necessary. For specialist advice physicians should contact the Poisons Information Service. May cause harm to unborn child. Refer to Section 11.
Medical Surveillance	A pre-placement physical examination and history for employees with potential exposure to this compound is recommended. Baseline testing would include: a complete blood count with differential, a blood test for kidney function, a blood test for liver function, a blood test for prothrombin time. Based on opportunity for exposure and duration of exposure a periodic follow-up examination may be considered. This exam should be overseen by a physician thoroughly knowledgeable about both the toxicity of this compound and the extent of work place exposure. It is recommended that the content be similar to the pre-placement exam. Employees who are pregnant, are breast-feeding, or who are concerned with other reproductive issues should be encouraged to consult with the occupational health physician monitoring worker's health.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not available
Extinguishing Media	Suitable extinguishing media: Dry chemical, Water spray, Foam Unsuitable extinguishing media: Do NOT use water jet.

5. FIRE-FIGHTING MEASURES

Protection of Firefighters	Specific hazards: Refer to HAZARDS IDENTIFICATION section for a description of hazards for this material. Protective equipment: Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus. Hazardous Combustion Products: carbon oxides (COx), nitrogen oxides (NOx), sulphur compounds, trace aluminum, and, trace magnesium
Other information	Decontaminate protective clothing and equipment before reuse.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Examples include tightly fitting safety goggles, lab coat and impervious gloves. Wear respiratory protection. Depending on the nature of the spill (quantity and extent of spill) additional protective clothing and equipment such as a self-contained breathing apparatus may be needed.
Environmental precautions	Prevent release to drains and waterways. Prevent release to the environment.
Containment Methods	Wet down any dust to prevent generation of aerosols, if appropriate. Cover with suitable material.
Cleanup Methods	Contain and collect spillage and place in container for disposal according to local regulations (see Section 13). Use a HEPA vacuum or moisten materials to minimize dust generation during pick-up. Clean area with detergent and water after spill pick-up, if appropriate. Handle waste materials, including gloves, protective clothing, contaminated spill cleanup material, etc., as appropriate for chemically and pharmacologically similar materials.

7. HANDLING AND STORAGE

Handling Precautions	Avoid exposure - obtain special instructions before use. Avoid formation of dust and aerosols. When handling broken or crushed tablets or capsules, ensure worker exposure is below the recommended exposure limit. Keep away from heat and sources of ignition. Prevent release to drains and waterways.
Container Requirements	Store in the original primary packaging as provided. Keep tightly closed.
Storage Conditions	Store at controlled room temperature of 15 - 30°C. Protect against light. Keep away from heat, sparks and flames. Do not store near incompatible substances. Store in well-ventilated place. Keep container tightly closed. Store locked up.
Specific use(s)	Refer to Section 1

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)	Company Guideline	ACGIH	Germany OEL	UK MEL
Warfarin Sodium	2 µg/m ³	0.1 mg/m ³ TWA	--	--
Recommended Industrial Hygiene Monitoring Methods	Contact the Bristol-Myers Squibb AIHA accredited Industrial Hygiene Laboratory at 732-227-6338. See Section 4 "Notes to Physician" for information on medical surveillance.			

EXPOSURE CONTROLS / PERSONAL PROTECTION FOR MATERIAL AS SUPPLIED

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

COUMADIN® (warfarin sodium) 1 mg, 2 mg, 2.5 mg, 3 mg, 4 mg, and 5 mg Tablets
3 -- Material is assigned to Exposure Control Band 3 (range 10-< 100 µg/m3).

Engineering Controls and Ventilation	Use process enclosures, containment technology, or other engineering controls to keep airborne levels below recommended exposure limit. When handling quantities up to 15 milligrams, a standard laboratory with general laboratory dilution ventilation (e.g. 6-12 air changes per hour) is appropriate. When handling quantities from 15 milligrams to 1 kilogram, work in a standard laboratory using a fume hood, biological safety cabinet(Class II, all types), or approved vented enclosure. Quantities exceeding 1 kilogram should be handled in a designated laboratory. A laminar flow/powder containment booth is recommended for handling >1 kilograms of active substance. For manufacturing and pilot plant operations, use direct coupling and closed transfer systems for all bulk transfers. Use dust tight valves as appropriate. HEPA filtration of local exhaust ventilation (LEV) is required.
Respiratory protection	Use and selection of respiratory protection is based upon engineering controls in use and potential for aerosol generation. When engineering controls are not sufficient control exposure, wear an approved respirator with NIOSH Class 100 or high efficiency particulate (HEPA) filters or cartridges (EN 140/EN 136) when exposures are up to 10 times the exposure control guideline. Wear a loose-fitting (Tyvek or helmet type) HEPA powered-air purifying respirator (PAPR) (EN 12941) when exposures are 10-25 times the exposure control guideline. Wear a full facepiece negative pressure respirator with Class 100 or HEPA filters (EN 136) when exposures are 25-50 times the exposure control guideline. Wear a tight-fitting, full facepiece HEPA PAPR (EN 12942) when exposures are 50-100 times the exposure control guideline. Wear a hood-shroud HEPA PAPR (EN 12941) or full facepiece supplied air respirator (EN 139) operated in a pressure demand or other positive pressure mode when exposures are 100-1000 times the exposure control guideline.
Eye protection	Safety glasses with side-shields are recommended (EN 166). Face shields or chemical safety goggles (EN 166) may be required if splash potential exists or if corrosive materials are present. Note: Choice of eye protection may be influenced by the type of respirator which is selected.
Hand protection	Impervious nitrile, rubber and latex gloves are recommended (EN 420, EN 374). If material is handled in solution, the solvent should also be considered when selecting protective clothing material. Please note that employees who are allergic to natural rubber latex should use nitrile gloves.
Skin and body protection	Wear a laboratory coat (EN 340) when handling quantities up to 1 kilogram. For quantities over 1 kilogram, wear laboratory coat(EN 340)or coverall of low permeability (EN 1149-1). For manufacturing operations, wear coverall of low permeability (EN 465/1149-1). For manufacturing operations, wear coverall of low permeability (EN 1149-1).
Hygiene	Wash hands and face before breaks and immediately after handling the product.
Environmental exposure controls	Prevent release to drains and waterways.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

<i>Appearance</i>	
Physical State	solid
Color	Various colors
Form	tablet

9. PHYSICAL AND CHEMICAL PROPERTIES

Odour

Odour	Not available
Odor Threshold	Not available

pH	Not available
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Other information

Bulk density	Not available
Evaporation rate	Not available
Molecular formula	Not applicable
Hydrolysis/Photolysis	Not available
Hygroscopicity	Not available
Molecular Weight	Not applicable
Log Octanol/Water Partition Coeff [log Kow]	Not available
Surface Tension	Not available
pKa	Not available
Particle Size	Not available
Solubility, Water	Not available
Specific Gravity/ Relative density	Not available
Viscosity, dynamic	Not available
Viscosity, kinematic	Not available
% Volatile	Not available

Thermal/Stability properties

Autoignition temperature	Not available
Boiling Point	Not available
Thermal decomposition	Not available
Explosive Limits, LEL	Not available
Explosive limits, UEL	Not available
Explosiveness	Non-explosive based on chemical structure.
Flammability	Not available
Flash point	Not available
Melting Point	Not available
Oxidizing Potential	Non-oxidizer based on chemical structure.

Vapor Properties

Vapor Density	Not available
Vapor Pressure	Not available
Saturated Vapor Concentration	Not available

10. STABILITY AND REACTIVITY

Stability

Chemical Stability	Stable under recommended storage conditions. Material is light sensitive.
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Conditions to avoid	light
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Materials to avoid	strong acids and strong bases strong oxidizing agents, Acid chlorides, and, acid anhydrides
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10. STABILITY AND REACTIVITY

Hazardous decomposition products Hazardous decomposition products formed under fire conditions.: carbon oxides (COx), nitrogen oxides (NOx), sulphur compounds, trace aluminum, and, trace magnesium

Hazardous reactions None known.

Sensitivity to static discharge/Dust exp.

Summary Statements Although material has not been specifically tested, fine dust suspended in air in sufficient concentration and in the presence of an ignition source may pose a potential explosion hazard. Provide appropriate bonding and grounding protection to control static charge. Powder handling equipment such as dust collectors, dryers, and mills may require additional protective measures (e.g. explosion venting, inerting, etc.).

11. TOXICOLOGICAL INFORMATION

Routes of Entry Ingestion, Inhalation, Eye contact, Skin contact

Eye Irritation Warfarin Sodium
Not irritating to eyes.

Skin Irritation Warfarin Sodium
Not irritating to skin.

Respiratory Irritation Not available

Sensitization Warfarin Sodium
Not a dermal sensitizer

Acute Toxicity Study **Acute Oral**
Warfarin Sodium
LD50 (rat, females): 8.7 mg/kg
LD50 (rat, males): 100 mg/kg
LD50 (mouse): 374 mg/kg
LD50 (rabbit): 800 mg/kg
LD50 (dog): 200 mg/kg
LD50 (guinea pig): 182 mg/kg
LD50 (rat): 8.7 mg/kg

Acute Dermal
Warfarin Sodium
LD50 (rat): 40 mg/kg

Acute inhalation toxicity
Warfarin Sodium
LC50 (rat): < 0.005 mg/l/4 H

11. TOXICOLOGICAL INFORMATION			
Repeated Dose Toxicity	Not available		
Genetic Toxicity	<u>Warfarin Sodium</u> Mutagenicity Assessment Tests on bacterial or mammalian cell cultures did not show mutagenic effects.		
Carcinogenicity	Not available		
Carcinogenicity	ACGIH	IARC	NTP
Warfarin Sodium	--	--	--
Reproductive Toxicity	<u>Warfarin Sodium</u> Assessment Reproductive Toxicity Data are insufficient to assess whether this compound is a reproductive hazard.		
Developmental Toxicity	<u>Warfarin Sodium</u> Developmental Toxicity Assessment Several developmental studies were conducted. Compound may be toxic during early embryonic development. Birth defects were observed in animal studies. See "Human Experience". Selective developmental toxicant		
Human experience	Experiences with Human Exposure <u>Warfarin Sodium</u> General effects therapeutic use low exposure - acute effects include: bleeding, gum bleeding, nosebleeds, vaginal bleeding, bruising, skin lesions, hair loss, nail changes, gastrointestinal disturbance, cough, breathing difficulties, fatigue, headache, chills, dizziness, back pain, rash, fainting, tingling. low exposure - long term exposure effects include: decreased red blood cell count, decreased white blood cell count, lowered blood pressure, liver toxicity, bone effects, kidney toxicity, peripheral neuropathies, anaphylaxis, angina pectoris. Incident report(s) low exposure - long term exposure effects include: fetal malformations, changes in skeletal development, fetal death, abortion.		
Target Organs	<u>Warfarin Sodium</u> cardiovascular system, blood		
Symptoms	<u>Warfarin Sodium</u> See "Human Experience".		
Pharmacokinetics/ Toxicokinetics	<u>Warfarin Sodium</u> Absorption: Rapidly absorbed through skin. Distribution: Not available Metabolism: Not available Elimination: Half-life = 41 - 57 Hour(s) (Human).		

11. TOXICOLOGICAL INFORMATION

Other Toxicity Information Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Acute Toxicity to Fish

Warfarin Sodium

NOEC (Bluegill sunfish, 96 H) : 42 mg/l.

LC50 (Bluegill sunfish, 96 H) : 93 mg/l.

Acute Toxicity to Aquatic Invertebrates

Warfarin Sodium

NOEC (Daphnia magna (Water flea), 48 H) : 49 mg/l.

EC50 (20 - 25°C, 48 H) : 74 mg/l.

Toxicity to aquatic plants

Warfarin Sodium

NOEC (Pseudokirchneriella subcapitata (formerly Selenastrum capricornutum), Algae biomass, 10 Days) : 0.073 mg/l

NOEC (Pseudokirchneriella subcapitata (formerly Selenastrum capricornutum), Algae growth rate, 10 Days) : 0.34 mg/l

Minimum inhibitory concentration (MIC) (Pseudokirchneriella subcapitata (formerly Selenastrum capricornutum), Algae biomass, 10 Days) : 0.16 mg/l

Minimum inhibitory concentration (MIC) (Pseudokirchneriella subcapitata (formerly Selenastrum capricornutum), Algae growth rate, 10 Days) : 0.84 mg/l

Toxicity to microorganisms

Warfarin Sodium

EC50 (Bacteria, 15 Minute) : 192 mg/l

EC10 (Bacteria, 15 Minute) : 22 mg/l

Respiration inhibition, % inhibition (Activated Sludge, 0.5 H) : 400 mg/l, 24%

Mobility

Transport between environmental compartments

Warfarin Sodium

Low mobility in soil.

Persistence and degradability

Biodegradation

Warfarin Sodium

Anaerobic Biodegradation (56 Days) : According to the results of tests of biodegradability this product is not readily biodegradable.

Ready biodegradation (43 Days) : 12 % According to the results of tests of biodegradability this product is not readily biodegradable. Inherently biodegradable.

Stability in water

Warfarin Sodium

Hydrolysis (50 °C): Degree of hydrolysis - 5 Days (< 1 %); pH 5 pH 7 pH 9 Low level of hydrolysis at acidic and basic pH. Stable in water.

Bioaccumulative potential

Warfarin Sodium

Bioconcentration factor (BCF): 0.86 Does not bioaccumulate. Accumulation in aquatic organisms is unlikely.

PBT and vPvB Assessment: Not available

13. DISPOSAL CONSIDERATIONS

Advice On Disposal And Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. Warfarin and its salts are listed as hazardous waste under the regulations of the Environmental Protection Agency (EPA) (40 Code of federal Regulations (CFR) § 261.33), and the corresponding regulations issued by the various states. All COUMADIN products contain Warfarin at concentrations greater than 0.3% by weight, and when disposed, fall within the P001 listing and are considered acute hazardous wastes. In addition, containers which have held COUMADIN products are also considered P001-listed waste, and should be disposed of as hazardous waste, unless they meet the requirements found in 40CFR§ 261.7(b)(3).
Other information	Disposal by incineration is recommended.

14. TRANSPORT INFORMATION

This material is not a dangerous good for the purpose of transportation.

15. REGULATORY INFORMATION

United States of America

313 Toxic Release Inventory. Listed Chemicals/Compounds
No components listed on the SARA 313 inventory.

TSCA Inventory Not listed.

EU Directive 1999/45/EC

BULK MATERIAL

Symbol(s) T: Toxic

R-phrase(s) R48: Danger of serious damage to health by prolonged exposure.
R61: May cause harm to the unborn child.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) S22: Do not breathe dust.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S53: Avoid exposure - obtain special instructions before use.
S60: This material and its container must be disposed of as hazardous waste.

DRUG PRODUCT

Classification Medicinal products are exempt from classification and labeling requirements under EU Preparations Directive 1999/45/EC.

Regulatory Not available

15. REGULATORY INFORMATION

Authorizations and
Restrictions:

16. OTHER INFORMATION

Text of Symbol(s), R-phrase(s) and H-code(s) mentioned in Section 3

H360D	May damage the unborn child
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
R48/25	Also toxic: danger of serious damage to health by prolonged exposure if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R61	May cause harm to the unborn child.
T	Toxic

Recommended Restrictions for Use:

Not available

SDS preparation information

Prepared by Research and Development Environment, Health and Safety 1-732-227-7380
Prepared on 19.10.2012 DD/MM/YYYY

This Safety Data Sheet has been revised. This data sheet contains changes from the previous version in section(s): 1, 4, and 16.

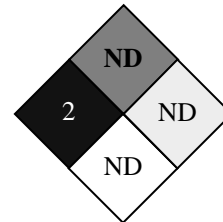
Other information

HMIS

Health	2*
Flammability	Not Determined (ND)
Reactivity	Not Determined (ND)
Personal protective equipment	See Section 8.

NFPA

Health 2
Fire ND
Reactivity ND
Special ND



*Country- Specific Emergency
Phone Numbers*

CHEMTREC In-Country Dial Numbers	Local # Provided in Country	Toll Free in Country*	Greeting Language
CHEMTREC South Africa*		0-800-983-611	English
CHEMTREC Argentina (Buenos Aires)	+(54)-1159839431		Latin American Spanish
CHEMTREC Brazil (Rio De Janeiro)	+(55)-2139581449		Portuguese
CHEMTREC Chile (Santiago)	+(56)-25814934		Latin American Spanish
CHEMTREC Colombia *		01800-710-2151	Latin American Spanish
CHEMTREC Mexico*		01-800-681-9531	Latin American Spanish
CHEMTREC Peru (Lima)	+(51)-17071295		Latin American Spanish
CHEMTREC China*	4001-204937		Mandarin
CHEMTREC Hong Kong (Hong Kong)*		800-968-793	Cantonese
CHEMTREC India *		000-800-100-7141	Hindi
CHEMTREC Indonesia *		001-803-017-9114	Indonesian
CHEMTREC Japan (Tokyo)	+(81)-345209637		Japanese
CHEMTREC Malaysia *		1-800-815-308	Malay
CHEMTREC Philippines *		1-800-1-116-1020	Tagalog
CHEMTREC Singapore*		800-101-2201	Mandarin
CHEMTREC Singapore	+(65)-31581349		Mandarin
CHEMTREC South Korea*		00-308-13-2549	Korean
CHEMTREC Taiwan*		00801-14-8954	Mandarin
CHEMTREC Thailand *		001-800-13-203-9987	Thai
CHEMTREC Vietnam (Ho Chi Minh City)	+(84)-838012436		Vietnamese
CHEMTREC Australia (Sydney)	+(61)-290372994		English
CHEMTREC Belgium (Brussels)	+(32)-28083237		French and Flemish
CHEMTREC Czech Republic (Prague)	+(420)-228880039		Czech
CHEMTREC France	+(33)-975181407		French
CHEMTREC Germany *		0800-181-7059	German
CHEMTREC Hungary (Budapest)	+(36)-18088425		Hungarian
CHEMTREC Italy *		800-789-767	Italian
CHEMTREC Italy (Milan)	+(39)-0245557031		Italian
CHEMTREC Netherlands	+(31)-858880596		Dutch
CHEMTREC Poland (Warsaw)	+(48)-223988029		Polish
CHEMTREC Spain*		900-868538	European Spanish
CHEMTREC Sweden (Stockholm)	+(46)-852503403		Swedish
CHEMTREC Switzerland (Zurich)	+(41)-435016715		German
CHEMTREC UK (London)	+(44)-870-8200418		English
CHEMTREC Bahrain (Bahrain)	+(973)-16199372		Arabic
CHEMTREC Israel (Tel Aviv)	+(972)-37630639		Hebrew

*Phone numbers for countries marked with an asterisk must be dialed within the country

The information contained in this SDS is believed to be accurate and represents the best information reasonably available at the time of preparation. However, we make no warranty, express or implied, with respect to such information. and we assume no liability from its use.