SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name : TERGOSTRIP B/O

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

1.3 Details of the supplier of the safety data sheet

Company : Chemetall (New Zealand) Limited
664 Rosebank Rd, Avondale
1026 Auckland
Telephone : +649 820 3888
Telefax : +649 820 3979

Contact person product safety Technical Manager
Telephone : +61 3 9729 6253
E-mail address : nzadmin@basf.com

1.4 Emergency telephone number

Emergency telephone number : 0800 734 607 AFTER HOURS
Outside NZ : +61 3 9663 2130

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral)	:	Category 4
Skin corrosion/irritation	:	Category 1B
Serious eye damage/eye irritation	:	Category 1
Germ cell mutagenicity	:	Category 2
Carcinogenicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 3 (Central nervous system)

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H336 May cause drowsiness or dizziness.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing mist or vapours.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P281 Use personal protective equipment as required.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P310 Immediately call a POISON CENTER or doctor/ physician.
P363 Wash contaminated clothing before reuse.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

The information required is contained in this Safety Data Sheet.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Dichloromethane; Methylene Chloride	75-09-2	>= 60 - <= 100
Formic Acid	64-18-6	< 10
Phenol	108-95-2	< 10

SECTION 4. FIRST AID MEASURES

General advice : First aider needs to protect himself.
Move out of dangerous area.
Take off contaminated clothing and shoes immediately.

Inhalation : Move to fresh air.
If symptoms persist, call a physician.

Skin contact : Wash off with soap and plenty of water.
Call a physician immediately.

Eye contact : Rinse immediately with plenty of water, also under the eyelids.
Call a physician immediately.

Ingestion : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Call a physician immediately.

Most important symptoms and effects, both acute and delayed : No information available.
If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.
Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough.

Notes to physician : Treat symptomatically.
For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide (CO2)
Dry powder
Alcohol-resistant foam
Water spray

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Heating or fire can release toxic gas.

Specific extinguishing methods : Use water spray to cool unopened containers.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation. Wear personal protective equipment. For further information see Section 8 of the safety data sheet. For disposal considerations see section 13.
Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Ensure adequate ventilation. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Keep away from sources of ignition - No smoking. Normal measures for preventive fire protection. Take precautionary measures against static discharges.
Advice on safe handling	:	Provide sufficient air exchange and/or exhaust in work rooms. Ensure that eye flushing systems and safety showers are located close to the working place. To avoid risks to man and the environment, comply with the instructions for use.
Hygiene measures	:	Take off contaminated clothing and shoes immediately. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Avoid contact with skin and eyes. Do not breathe vapour. Do not breathe spray.
Conditions for safe storage	:	Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Store in a place accessible by authorized persons only. To maintain product quality, do not store in heat or direct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Dichloromethane; Methylene Chloride	75-09-2	TWA	50 ppm 174 mg/m3	AU OEL
	Further information: Category 2 (Carc. 2) Suspected human car-			

	cinogen, Skin absorption			
		TWA	50 ppm	ACGIH
Formic Acid	64-18-6	TWA	5 ppm 9.4 mg/m3	AU OEL
		STEL	10 ppm 19 mg/m3	AU OEL
		TWA	5 ppm	ACGIH
		STEL	10 ppm	ACGIH
Phenol	108-95-2	TWA	1 ppm 4 mg/m3	AU OEL
	Further information: Skin absorption			
		TWA	5 ppm	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam-pling time	Permissible concentra-tion	Basis
Dichloromethane; Meth-ylene Chloride	75-09-2	Dichloro-methane	Urine	End of shift (As soon as possible after exposure ceases)	0.3 mg/l	ACGIH BEI
Phenol	108-95-2	Phenol	Urine	End of shift (As soon as possible after exposure ceases)	250 mg/g Creatinine	ACGIH BEI

Engineering measures : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Filter type : Organic vapour type

Hand protection

Remarks : Neoprene gloves Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Eye protection : Eye protection (EN 166)
Tightly fitting safety goggles

Skin and body protection : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	viscous, cream
Colour	:	opaque
Odour	:	ether-like
pH	:	2
Boiling point/boiling range	:	48 °C
Flash point	:	> 99 °C
Vapour pressure	:	466.63 hPa
Density	:	1.2 g/cm³
Flow time	:	> 100 sec. Cross section: 6 mm
Explosive properties	:	no explosion risk

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	None known.
Conditions to avoid	:	Heat, flames and sparks.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate: 1,966 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method

Components:

Dichloromethane; Methylene Chloride:

Acute inhalation toxicity	:	LC50 (Rat): 49 mg/l
Acute dermal toxicity	:	LD50 Dermal (Rat): 2,000 mg/kg

Formic Acid:
Acute oral toxicity : LD50 (Rat): 730 mg/kg
Method: OECD Test Guideline 401

Skin corrosion/irritation

Product:
Remarks: Causes severe burns.

Serious eye damage/eye irritation

Product:
Remarks: Causes serious eye damage.

Respiratory or skin sensitisation

Product:
Assessment: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

Chronic toxicity

Germ cell mutagenicity
Product : No data available

Carcinogenicity
Product : No data available

Reproductive toxicity
Product : No data available

STOT - single exposure
Product : No data available

STOT - repeated exposure
Product : No data available

Product:
Repeated dose toxicity - Assessment : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

Aspiration toxicity

Product : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Dichloromethane; Methylene Chloride:

Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 480 mg/l Exposure time: 48 h LC50 (Daphnia magna (Water flea)): 244 mg/l Exposure time: 96 h
Toxicity to algae	:	EC50 (Selenastrum capricornutum (fresh water algae)): > 662 mg/l

Formic Acid:

Toxicity to fish	:	LC50 (Leuciscus idus (Golden orfe)): > 46 - < 100 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 34.2 mg/l Exposure time: 48 h NOEC (Daphnia magna (Water flea)): >= 102 mg/l Exposure time: 21 d Test Type: static test
Toxicity to algae	:	EC50 (Selenastrum capricornutum (green algae)): 32.64 mg/l Exposure time: 72 h Test Type: static test
Toxicity to bacteria	:	EC50 (Pseudomonas putida): 46.7 mg/l Exposure time: 17 h

Persistence and degradability

Product:

Biodegradability	:	Remarks: No data available

Components:

Formic Acid:

Biochemical Oxygen Demand (BOD)	:	86 mg/g
Chemical Oxygen Demand (COD)	:	348 mg/g

Bioaccumulative potential

Product:

Bioaccumulation	:	Remarks: Bioaccumulation is unlikely.

Mobility in soil

Product:

Distribution among environmental compartments : Remarks: No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of contents/ container to an approved waste disposal plant.

Packaging : Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No.	:	UN 2927
Proper shipping name	:	Toxic liquid, corrosive, organic, n.o.s. (Methylene Chloride, Phenol)
Class	:	6.1
Subsidiary risk	:	8
Packing group	:	II
Labels	:	Toxic Substances, Corrosives
Packing instruction (cargo aircraft)	:	660
Packing instruction (passenger aircraft)	:	653

IMDG-Code

UN number	:	UN 2927
Proper shipping name	:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (Methylene Chloride, Phenol)
Class	:	6.1
Subsidiary risk	:	8
Packing group	:	II
Labels	:	6.1 (8)
EmS Code	:	F-A, S-B
Marine pollutant	:	no
Remarks	:	Acids, Clear of living quarters.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

The product is classified and labelled in accordance with EC directives or respective national laws.
Regional or national implementations of GHS may not implement all hazard classes and categories.

NZ EPA Group Standard: Metal Industry Products (Corrosive, Toxic [6.7] HSR002610
Refer to the Group Standard document for further information.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Further information

Other information : The information provided is based on our current knowledge and experience and apply to the product as delivered. Re-

garding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.

Date format : dd.mm.yyyy

AU / EN