

SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION:

Kemsol STERI-DRI

A sanitising liquid which evaporates quickly.
 NZFSA Approved C43 (all animal product except dairy)

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SDS EFFECTIVE DATE: 5 August 2008

SDS PRINT DATE: 5 December 2008

HAZARD IDENTIFICATION:

Hazardous Substances (HSNO) Act 1996 and Classification Regulations 2001 for the product of this concentration:

- 3.1B Highly flammable liquid and vapour.
- 6.4A Causes eye irritation.
- 9.1D May be harmful to aquatic life.

Cleaning Products Flammable Group Standard HSR No: 2528

COMPOSITION/INFORMATION ON INGREDIENTS:

Ethanol (CAS# 64-17-5)

950 ml per litre.

FIRST AID MEASURES:

Contact with eyes: Rinse eyes with running water holding back eyelids for 15 minutes. If irritation persists, seek medical advice.
 Contact with skin: Wash affected area with copious volumes of water. If clothing is contaminated, remove and wash the affected skin area. If irritation or swelling occurs, seek medical advice.
 After inhalation: If the patient is subject to vapourisation, remove from exposure and seek medical advice.
 After ingestion: Do Not Induce Vomiting. Administer 2 glasses of water or milk and if discomfort persists seek medical advice.
 Advice to Doctor: Treat patient for acute exposure to materials with toxic effects. Have this SDS or a product label on hand.

FIRE FIGHTING MEASURES:

This product will form flammable mixtures with air when vapourised. Isolate, or avoid, ignition sources (electrical and fire).
 Containers subject to heat from a fire may explode scattering burning contents. Where possible remove containers from the path of the fire.
 Otherwise cool with water spray to avoid heating.
 Firefighters wear SCBA and chemical resistant suits.
 Foam, CO₂, or chemical dry powder to extinguish a local fire. Water spray on large fires only. No water jets.

ACCIDENTAL RELEASE MEASURES:

Spills on floors will produce a slippery surface. Shut off, or isolate, all possible sources of ignition.
 Do not allow any spills, original or diluted, to enter wastewater drains. If material does enter, alert the local drainage authorities.
 Contain minor (less than 100 litres) from local drainage with any suitable bund or barrier. Where possible dilute with water (water soluble products only) and contain the resulting solution. Then clean up with mops or any suitable absorbent inert material such as Mineral Sponge, paper, rags, sand, or soil. Pack absorbed waste material into drums, which can be closed, for waste disposal.
 Large spills from drums should be contained from drains and diluted with water where possible. Alert the local Fire Brigade. Collect absorbed material in open-top drums which can be closed and sent to landfill.

HANDLING AND STORAGE:

Store drums and carboys with secure closures, in sites where they can be kept cool and away from heat and ignition sources.
 Storage in HSNO defined Hazardous Substance Locations and Transit Depots is required for Class 3.1B products where greater than 100 litres is stored in 20 litre carboys and 200 litre drums, and greater than 250 litres is stored in 5 litre jerries.
 Handle to prevent damage to containers. Should packaging be damaged, repack into clean and dry containers of the same type and mark the product name carefully on the container.
 Always replace lids and caps after using the product. Return all packages to safe storage as soon as possible after use.

EXPOSURE CONTROLS & PERSONAL PROTECTION:

Exposure controls:	No data is available for Kemsol Steri-Dri. Ethanol: WES TWA 1880 mg/cu m. (1000 ppm).
Eye protection:	Safety glasses.
Protective clothing:	Chemically impregnable gloves, work shoes, protective work clothes (an apron or overalls).
Respiratory protection:	Not required for the regular use of this product. If the liquid is being sprayed or vaporised, a face shield and/or respirator must be worn. These operations should be carried out by trained personnel only.
Ventilation:	Where spraying or vaporising is being carried out, ensure there is ready access to eyewash units and safety shower. Also adequate ventilation is provided in the work space.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Clear pink coloured liquid
Odour	Characteristic
pH	Not applicable
Flash Point	14° C
Ignition Point	> 350° C
Specific Gravity	0.81 ± 0.01
Refractive Index	1.364 ± 0.005 20 Bx
Viscosity	Not applicable
Foam	Not applicable
Solubility in water	Completely

STABILITY AND REACTIVITY:

Kemsol Steri-Dri is considered stable in normal storage and use. Evaporation will occur if exposed to air.
Avoid contamination with oxidising substances.
Hazardous polymerisation will not occur.
Combustion will release oxides of carbon and nitrogen.

TOXICOLOGICAL INFORMATION:

No data is available for Kemsol Steri-Dri. Ethanol: Oral LD5 Rat 7060 mg/kg Eye irritation: rabbit mild to severe.

ECOLOGICAL INFORMATION:

No data is available for Kemsol Steri-Dri. Ethanol: LC50 (rainbow trout) 11,200 mg/l 24hr flow through.

DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local regulations by recognised waste disposal experts. Incineration is the preferred method.
Spilled liquids must be absorbed by neutral materials such as Mineral Sponge, paper, rags, sand, or soil and packed in containers which can be sealed and sent to land fill or incineration.
Large spills will require suctioning into suitable tanks, and if not recoverable, disposed of through recognised waste disposal experts.
Used containers should be rinsed, not recycled, but disposed of in landfill or incinerated.

TRANSPORT INFORMATION:

NZ Land Transport Rule: Dangerous Goods Rule 2005	Classified as Dangerous Goods for Land Transport in New Zealand.
UN Number:	1170
Dangerous Goods Class:	3
Proper Shipping Name:	Ethanol and ethanol solutions
Hazchem Group:	2Y
Packing Group:	II

NZ REGULATORY INFORMATION:

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Cleaning Products Flammable Group Standard HSR No: 2552.
NZFSA Approved C43 (all animal product except dairy)

OTHER INFORMATION:

Formulation reference and version number: Version 2.
This SDS was prepared from data available on 5 August 2008.
This SDS was printed on 5 December 2008.
This SDS will be reviewed no later than 5 August 2013.

END OF THIS SAFETY DATA SHEET