

# SAFETY DATA SHEET

## PRODUCT AND COMPANY IDENTIFICATION:

### Kemsol TUFF SUDS

An 18% solids high foaming hand dishwashing detergent containing a microcide.  
MPI Approved C38 (all animal product except dairy).

#### CHEMICAL SOLUTIONS LTD

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## HAZARD IDENTIFICATION:

Hazardous Substances & New Organisms Act (HSNO) 1996 & Classification Regulations 2001 for the product of this concentration:  
6.4A Causes eye irritation.

Cleaning Products Subsidiary Hazards Group Standard: HSR No 002530

## COMPOSITION & INFORMATION ON INGREDIENTS:

Anionic & nonionic surfactants	10 – 20 %
Triclosan (CAS# 3380-34-5)	< 2 %
Perfume, colouring, preservative	< 2 %
Water	> 50 %

## FIRST AID MEASURES:

Contact with eyes: Rinse eyes with running water holding back eyelids for 5 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: A non-volatile compound in normal use. But if subject to vapourisation remove the patient from exposure to a restful location and seek medical advice if symptoms persist. If clothing is contaminated, remove and wash before reuse.  
After ingestion: Do Not Induce Vomiting. Administer 2 glasses of water or milk and seek medical advice if discomfort persists.  
Advice to Doctor: Treat the patient for exposure to material with mild toxic effects. Have this SDS or a product label on hand.

## FIRE FIGHTING MEASURES:

This product is neither flammable nor combustible.  
Drums subject to the heat of a prolonged fire may explode or erupt scattering contents with possibility of enhancing combustion. possible remove drums and containers from the path of a fire, or cool with water spray.  
Firefighters may use water spray, jet, fog, foam, CO<sub>2</sub>, or dry chemical powder to extinguish a fire in the vicinity.

## ACCIDENTAL RELEASE MEASURES:

Spills on floors will produce a slippery surface. Signage preventing foot traffic should be erected where appropriate.  
Minor spills (less than 100 litres) should be contained from drainage, diluted with water, neutralised where appropriate, and removed with mops, or absorbed with Mineral Sponge, rags, paper, sand, or soil. It may be possible to drain small spills to town wastewater servwhere permitted by local authorities.  
Large spills (drums and IBCs) should be contained from local drainage with any suitable bund or barrier. Clean up with absorbant material such as Mineral Sponge, paper, rags, sand or soil. Where a liquid suction cleaning machine is available, it should be used only after neutralising the spill product.

## HANDLING AND STORAGE:

Store containers in sites where they can be kept cool and dry and away from heat sources. Liquid products in drums and carboys must have secure closures which fit 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 an easily seen location on the container. After use, always replace lids and caps and return to safe storage as soon as possible. There are no specific transport restraints for this material in secure containers.

## EXPOSURE CONTROLS & PERSONAL PROTECTION:

The information contained in this Safety Data Sheet is provided in good faith and is believed to be correct as at the date hereof. However, it is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. The Proprietor makes no representation as to the accuracy or comprehensiveness of the information. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of the use of the product are therefore assumed by the user and we expressly disclaim all warranties of any kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Appropriate warnings and safe handling procedures should be provided to handlers and users.

Exposure controls: No data is available for Kemsol Tuff Suds.  
 Eye protection: Safety glasses.  
 Protective clothing: Chemically impregnable gloves.  
 Respiratory protection: Not required for the regular use of this product.  
 Ventilation: Ensure adequate ventilation is provided in the work space.

**PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance</b>	Clear thick yellow coloured liquid
<b>Odour</b>	Not perfumed
<b>pH</b>	8.5 ± 0.5
<b>Flash Point</b>	Not applicable
<b>Ignition Point</b>	Not applicable
<b>Specific Gravity</b>	1.02 ± 0.01
<b>Refractive Index</b>	1.361 ± 0.005 18 Bx
<b>Viscosity</b>	1000 – 1500 mPas at 20° C.
<b>Relative Foam</b>	High
<b>Solubility in water</b>	Completely in all proportions.

**STABILITY AND REACTIVITY:**

Kemsol Tuff Suds is considered stable under normal storage conditions.  
 Avoid contamination with oxidising substances.  
 Hazardous polymerisation will not occur.  
 Combustion of this product will release oxides of carbon and nitrogen.

**TOXICOLOGICAL INFORMATION:**

No data is available for Kemsol Tuff Suds.

**ECOLOGICAL INFORMATION:**

No data is available for Kemsol Tuff Suds.  
 Surfactants used in Kemsol Tuff Suds are classed Readily Biodegradable according to the European Union Detergents Regulations #648/2004.

**DISPOSAL CONSIDERATIONS:**

Minor spilled liquids (after neutralisation) may be disposed of through town wastewater systems where these are authorised for industrial use.  
 Major spills, which have been collected by machine or on absorbants, should be disposed of by waste disposal experts in accordance with local regulations.  
 Used containers should be rinsed, not reused, but disposed off in landfill or incinerated.

**TRANSPORT INFORMATION:**

NZ Land Transport Rule: Dangerous Goods Rule 2005

Classified as not dangerous for Land Transport in New Zealand

**NZ REGULATORY INFORMATION:**

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

Cleaning Products Subsidiary Hazards Group Standard: HSR No:002530.

HSNO Act Controls Regulations 2001 for Tuff Suds

Label or mark containers used to hold this product

Keep unused product in secure containers to prevent mistaken use

**OTHER INFORMATION:**

Formulation reference and version number: R10 – 61 Version 4.

This SDS was prepared from data available on 12 October 2016

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This SDS will be reviewed no later than 12 October 2021

**END OF THIS SAFETY DATA SHEET**