

SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION:

Kemsol SCORE

A machine dishwash powder for commercial use only.
NZFSA Approved C32 (all animal product except dairy).

CHEMICAL SOLUTIONS LTD

69 Aintree Ave,
Airport Oaks,
Auckland,
New Zealand.

PO Box 107-105, Airport Oaks, Auckland, New Zealand 2022.

Phone: (64-9) 255-5609

Fax: (64-9) 255-5610

E-mail: sales@kemsol.co.nz

Website: www.kemsol.co.nz

EMERGENCY CONTACT: Phone (64-9) 255-5609

8 am to 5 pm Mon to Fri

After Hours: National Poisons & Hazardous Chemical Information Centre: 0800-764-766 (0800-POISON)

SDS EFFECTIVE DATE: 5 August 2008

SDS PRINT DATE: 4 December 2008

HAZARD IDENTIFICATION:

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

8.2C Causes skin burn.

8.3A Causes serious eye damage

9.1C Harmful to aquatic life with long lasting effects.

Cleaning Products Corrosive Group Standard:

HSR No: 2526.

COMPOSITION & INFORMATION ON INGREDIENTS:

Sodium metasilicate pentahydrate (CAS# 10213-79-3)	500 g per kg.
Builders	20 – 50 %
Surfactant & Perfume	< 2 %

FIRST AID MEASURES:

Contact with eyes:	Rinse eyes with running water holding back eyelids for 15 minutes. If irritation persists, seek immediate medical advice with transport to hospital or emergency clinic possible.
Contact with skin:	Wash affected area with copious volumes of water (use emergency shower). 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 exposed to a dust cloud, remove from exposure to a comfortable location and seek medical advice.
After ingestion:	Do Not Induce Vomiting. Administer 2 glasses of water or milk and seek immediate medical advice. Transport to hospital or emergency clinic without delay.
Advice to Doctor:	Treat patient for acute exposure to material with corrosive and toxic effects. Have this SDS or a product label on hand.

FIRE FIGHTING MEASURES:

This product is neither flammable nor combustible.
Packages subject to the heat of a fire may burn scattering contents in the vicinity. If water is used to fight the fire, dissolved powder will flow to the lowest levels. Where possible remove all packaging from the path of a fire while still dry.
Firefighters must wear SCBA and chemical resistant suits.
Firefighters should use foam, CO₂, or dry chemical powder to extinguish a fire in the vicinity. Water jet, spray, or fog on large fires only.

ACCIDENTAL RELEASE MEASURES:

Spills on floors will produce a slippery surface if moisture is around. Signage preventing foot traffic should be erected where appropriate.
Spills should be carefully contained from spreading beyond the spill area and swept up with brooms and shovels or a mechanical vacuum cleaner if appropriate for corrosives, and the debris placed in open top-drums which can be closed and removed to landfill.

HANDLING AND STORAGE:

Store sealed unopened bags in sites where they can be kept cool and dry, and away from heat sources.
Handle to prevent damage to packages. Should packaging become damaged, repack into clean and dry bags, or containers of a suitable type to hold the powder and mark the product name carefully on the bag or container.
After using the product, always close the inner liner plastic bag, then fold over the top of the outer bag and seal closed with adhesive tape.
After use, return all packages to safe storage as soon as possible.

EXPOSURE CONTROLS & PERSONAL PROTECTION:

Exposure controls: No data is available for Kemsol Score. No exposure data for sodium metasilicate pentahydrate.
 Eye protection: Safety glasses.
 Protective clothing: Chemically impregnable gloves, work shoes, protective work clothes (an apron or overalls).
 Respiratory protection: Should the operator be subject to dust in the routine handling of this product, a mouth and nose filter guard should be used. If subject to regular dust clouds a respirator should be used.
 Ventilation: Where an operator is subject to dusty conditions, ensure there is ready access to eyewash units and safety shower. Also ensure adequate ventilation is provided in the work space.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance Fine granular white powder
Odour Citrus
pH 1 % solution 12.5 50% slurry 13.5
Flash Point Not applicable
Ignition Point Not applicable
Specific Gravity Not applicable
Refractive Index Not applicable
Viscosity Not applicable
Relative Foam Low
Solubility in water Completely in all proportions.

STABILITY AND REACTIVITY:

Kemsol Score 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 Score.
 Sodium metasilicate pentahydrate: Oral LD50 rat 1280 mg/kg. Irritation: Human skin 250 mg/24hr severe.

ECOLOGICAL INFORMATION:

No data is available for Kemsol Score. No data for sodium metasilicate pentahydrate.

DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local regulations by recognised waste disposal experts. Landfill is the preferred method.
 Spilled powders should be recovered by broom and shovel into open ended drums which can be closed prior to disposal.
 Used bags should be disposed of in landfill or incinerated.

TRANSPORT INFORMATION:

NZ Land Transport Rule: Dangerous Goods Rule 2005 Classified as a Dangerous Goods for Land Transport in New Zealand.
 UN Number: 3253
 Dangerous Goods Class: 8
 Proper shipping name: Disodium trioxysilicate
 Hazchem Group: 2X
 Packing Group: III

NZ REGULATORY INFORMATION:

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OTHER INFORMATION:

Formulation reference and version number: R9 – 91 Version 4.
 This SDS was prepared from data available on 5 August 2008.
 This SDS was printed on 4 December 2008.
 This SDS will be reviewed no later than 5 August 2013.

END OF THIS SAFETY DATA SHEET