

SHIELD CHEMICALS (PTY) LTD

MATERIAL SAFETY DATA SHEET



Mr Sheen Automatic Dishwasher Tablets & Powder

1 - IDENTIFICATION OF THE PRODUCT AND COMPANY

PRODUCT NAME	Mr Sheen Dishwashing Tablets & Powder
PRODUCT CODE	SH691, SH692, SH693, SH694
APPLICATION	Detergent for Automatic Dishwashers
SUPPLIER	Shield Chemicals (Pty) Ltd No. 9 London Road, Apex, Benoni Gauteng South Africa
CONTACT NUMBERS	T) +27-11-421-7111
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2 - HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin. Moisture sensitive.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	% By Weight	EINECS No.
Sodium Silicate	6834-92-0	5 - 10%	215-687-4
Sodium percarbonate	15630-89-4	10 – 20%	239-707-6
Sodium carbonate	497-19-8	10 – 30%	207-838-8
Amylase	9000-92-4	<1%	N/A
Protease	9014-1-1	<5%	N/A
Citric Acid	77-92-9	<10%	N/A
Nonionic surfactant	68213-23-0	<50%	N/A
Sodium Tripolyphosphate	7748 -29-4	>20%	231-838-7

4 - FIRST AID MEASURES

INHALATION	Remove from exposure and move to fresh air immediately
INGESTION	NEVER INDUCE VOMITTING. Wash mouth out with water. If irritation persists, seek medical attention.
SKIN CONTACT	Wash thoroughly with water. If irritation persists, seek medical attention.
EYE CONTACT	Make sure to remove any contact lenses from the eyes before rinsing. Rinse thoroughly with plenty of water for 15 minutes. If irritation persists, seek medical attention.

5 - FIRE-FIGHTING MEASURES

CLASSIFICATION	Non-flammable, but may burn in the case of fire
EXTINGUISHING MEDIA	Use water spray, foam, Carbon dioxide (CO ₂) or dry powder extinguishers.
EXPOSURE HAZARDS	May decompose into carbon monoxide and sodium oxide. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.
PROTECTIVE EQUIPMENT	Standard safety equipment. Self-contained breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

Method of disposal	Vacuum or sweep up material and place into a suitable disposal container.
Personal Protection	Use proper personal protective equipment as indicated in section 8

7 - HANDLING AND STORAGE

HANDLING	Avoid breathing dust. Avoid contact with skin and eyes.
STORAGE	Store in a cool, dry place. Store in a tightly closed container. Keep out of reach of children.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
EYE PROTECTION	Wear chemical goggles
SKIN PROTECTION	Wear appropriate protective gloves to prevent skin exposure.
CLOTHING	Wear a chemical apron
INHALATION	A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149

9 - PHYSICAL AND CHEMICAL PROPERTIES

GENERAL PHYSICAL FORM	Solid
SPECIFIC PHYSICAL FORM	Powder
ODOUR	Mild
COLOUR	White/Blue
PH (1% solution in water)	9.0 – 11.5
SOLUBILITY IN WATER	>95%
BULK DENSITY	0.8 – 1.2 Kg/L

10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable under normal temperatures and pressures
CONDITIONS TO AVOID	Incompatible materials, exposure to moist air or water.
INCOMPATIBILITIES WITH OTHER MATERIALS	Oxidizing agents, reducing agents, bases, metal nitrates.
HAZARDOUS POLYMERIZATION	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, sodium oxide

11 - TOXICOLOGICAL INFORMATION

Health Effects of Acute Overexposure:	
INHALATION	Avoid breathing vapour/dust/spray/fumes
INGESTION	The product is of low acute oral toxicity in rats
SKIN CONTACT	The material should not be allowed to come into contact with skin. When tested the product did not irritate rabbit skin. When tested the product did not cause sensitization in the skin sensitization (guinea pig) test.
EYE CONTACT	Risk of serious damage to eyes. This material should not be allowed to come into contact with eyes.
Health Effects of Chronic Overexposure:	
Not mutagenic in the Ames test.	

12 - ECOLOGICAL INFORMATION

ECOTOXICITY	This product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Dispose of in a manner consistent with federal, state and local regulations
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14 - TRANSPORT INFORMATION

IATA	No information available
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IMO	No information available
RID/ADR	No information available

15 - REGULATORY INFORMATION

Hazard Symbols	Xi	Irritant
Risk Phases	R41	Risk of serious damage to eyes
	R36/37/38	Irritating to the eyes, respiratory system and skin
Safety Phrases	S2	Keep out of reach of children
	S8	Keep away from combustible materials
	S22	Do not breath dust
	S24/25	Avoid contact with skin and eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical attention
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

15 - OTHER INFORMATION

This materials safety data sheet has been compiled according to SABS 1104-1 and SABS 0265, and provides the best advice under our current state of knowledge. The user is ultimately responsible for ensuring that the requirements of the relevant legislation are complied with.

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.