

## MATERIAL SAFETY DATA SHEET

### LAUNDRY POWDER

No. 1 | Date Issued: 11/02/2011

COMPANY DETAILS			
<b>NAME:</b>	Hygiene Systems (Pty) Ltd	<b>EMERGENCY TEL:</b>	0860 494 4363
<b>ADDRESS:</b>	7 Hargan Road, Jet Park, Boksburg	<b>TEL:</b>	011 552 8403
SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION			
<b>TRADE NAME:</b>	Laundry Powder		
<b>CHEMICAL FAMILY:</b>	Powdered Laundry Detergent		
<b>CHEMICAL NAME:</b>	Not applicable		
<b>SYNONYMS:</b>	Not applicable		
<b>CHEMICAL ABSTRACT NO.:</b>	Not applicable		
SECTION 2 – COMPOSITION			
HAZARDOUS COMPONENTS:			
DESCRIPTION:	%	EC NUMBER:	CLASSIFICATION:
SODIUM TRIPOLYPHOSPHATE (CAS NO.: 7758-29-4)	10-20		H302/320/335
NONYLPHENOL ETHOXYLATE (CAS NO.: 26027-38-3)	5-10		H302/318/413
SODIUM METASILICATE (CAS NO.: 6834-92-0)	20-30	229-912-9	H313/320/335
SODIUM PERCARBONATE (CAS NO.: 15630-89-4)	5-10	239-707-6	H320/335

### SECTION 3 – HAZARD IDENTIFICATION

MAIN HAZARD:	Harmful
FLAMMABILITY:	Not flammable
CHEMICAL HAZARD:	Irritant
BIOLOGICAL HAZARD:	Harmful
REPRODUCTIVE HAZARD:	Not known
HEALTH EFFECTS – EYE CONTACT:	Stinging sensation. May cause serious eye irritation
HEALTH EFFECTS – SKIN CONTACT:	May cause irritation with prolonged use
HEALTH EFFECTS – INGESTION:	May cause irritation and/or burns to mouth, throat & stomach
HEALTH EFFECTS – INHALATION:	Not expected to be a hazard under normal use conditions with good ventilation


### SECTION 4 – FIRST AID MEASURES

PRODUCT IN EYE:	Immediately flush with water for at least 15 minutes or until irritation stops. Seek medical advice.
PRODUCT ON SKIN:	Immediately flush skin with plenty of water and remove any contaminated clothing. Seek medical attention if required.
PRODUCT INGESTED:	<b>Do not</b> induce vomiting. Give copious amounts of water to drink. Seek medical attention.
PRODUCT INHALED:	Remove to fresh air. Consult physician, should breathing still be difficult.

### SECTION 5 – FIRE RESPONSE MEASURES

EXTINGUISHING MEDIA:	Not applicable
SPECIAL HAZARDS:	None
PROTECTIVE CLOTHING:	Not applicable

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS:</b>	Splash goggles, overalls, boots and gloves 
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Do not allow to enter waterways
<b>SMALL SPILLS:</b>	Flush to approved drain with plenty of water.
<b>LARGE SPILLS:</b>	Sweep up the spill and dispose of according to the Local Municipal regulations

### SECTION 7 – HANDLING AND STORAGE

<b>SUITABLE MATERIAL:</b>	Polyethylene containers (original container)
<b>HANDLING / STORAGE PRECAUTIONS:</b>	Do not breathe the dust. Avoid contact with skin and eyes. Store in a cool, dry place away from acids.

### SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

<b>OCCUPATIONAL EXPOSURE LIMITS:</b>	Not determined
<b>ENGINEERING CONTROL MEASURES:</b>	Keep the dust concentrations below their occupational exposure limits, by providing adequate ventilation. Exhaust ventilation or other engineering controls may be necessary, if ventilation is inadequate.
<b>PERSONAL PROTECTION: (respiratory)</b>	If ventilation is inadequate, wear an appropriate respirator
<b>PERSONAL PROTECTION: (hand)</b>	Rubber gloves if contact is prolonged
<b>PERSONAL PROTECTION: (eye)</b>	Goggles / Face shield recommended
<b>PERSONAL PROTECTION: (skin)</b>	Overalls
<b>OTHER PROTECTION:</b>	Ventilation (local exhaust)
<b>HYGIENE MEASURES:</b>	Wash hands, forearms and face thoroughly after handling product and before eating, smoking and before going home.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	White free-flowing powder
<b>ODOUR:</b>	That of pine
<b>pH (10% solhn):</b>	< 12

BOILING POINT:	Not applicable
FREEZING POINT:	Not applicable
FLASH POINT:	None
FLAMMABILITY:	Not flammable
EXPOSURE PROPERTIES:	Not considered as a product that has an explosion risk
OXIDIZING PROPERTIES:	Yes
VAPOUR PRESSURE:	Not applicable
DENSITY:	Not applicable
SOLUBILITY – WATER:	Complete
SOLUBILITY – SOLVENT:	Soluble in polar solvents
SOLUBILITY – COEFFICIENT:	This product is more soluble in water
<b>SECTION 10 – STABILITY AND REACTIVITY</b>	
STABILITY:	This product is stable
INCOMPATIBLE MATERIALS:	Strong acids and reducing agents
<b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>	
LOCAL EFFECTS:	
SKIN IRRITATION:	Irritant in case of skin contact
EYE IRRITATION:	Harmful in case of eye contact
ACUTE TOXICITY:	LD <sub>50</sub> (rat): 6.50g/kg (S.T.P.P.)
CHRONIC TOXICITY:	Severe eye and skin irritation may be produced with repeated or prolonged contact with concentrated product.
SPECIFIC EFFECTS:	
CARCINOGENIC EFFECTS:	None, as classified by OSHA and NIOSH
<b>SECTION 12 – ECOLOGICAL INFORMATION</b>	
ECO-TOXICITY IN WATER:	Harmful to aquatic organisms
BIODEGRADABILITY:	Not determined. If used responsibly, this product is not expected to cause adverse effects to the environment.


### SECTION 13 – DISPOSAL CONSIDERATIONS

<b>DISPOSAL CONSIDERATION:</b>	<b>Do not</b> re-use containers. Dispose of all plastic bags.
<b>DISPOSAL METHODS:</b>	Waste must be disposed of in accordance with local government and environmental control regulations.
<b>WASTE CLASSIFICATION:</b>	No additional information
<b>EUROPEAN WASTE CATALOGUE (EWC):</b>	No known data
<b>HAZARDOUS WASTE:</b>	The classification of this product does not meet the criteria for a hazardous waste.

### SECTION 14 – TRANSPORT INFORMATION

INTERNATIONAL TRANSPORT REGULATIONS:						
REGULATORY INFORMATION:	UN NUMBER:	PROPER SHIPPING NAME:	CLASS:	PACKING GROUP:	LABEL:	ADDITIONAL INFORMATION:
<b>ADR/RID CLASS:</b> <i>Land – Road / Railway</i>	Not regulated	-	-	III	-	-
<b>ADN CLASS:</b> <i>Inland – Waterways</i>	Not regulated	-	-	-	-	-
<b>IMDG CLASS:</b> <i>Sea</i>	Not regulated	-	-	-	-	-
<b>IATA-DGR CLASS:</b> <i>Air</i>	Not regulated	-	-	-	-	-

### SECTION 15 – REGULATORY INFORMATION

EU REGULATIONS:	
<b>HAZARD SUMBOL(S):</b>	
<b>CLASSIFICATION:</b>	Warning
<b>HAZARD STATEMENTS:</b>	H302 – Harmful if swallowed H316 – Causes mild skin irritation H319 – Causes serious eye irritation H335 – May cause respiratory irritation H413 – May cause long lasting harmful effects to aquatic life
<b>PRECAUTIONARY STATEMENTS:</b>	P102 – Keep out of reach of children P301+P331+P315 – If swallowed: Do not induce vomiting and immediately get medical attention P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

<b>PRODUCT USE:</b>	Consumer applications. Classification and labelling have been performed as close as possible according to EU directives 67/548/EEC, 1999/45/EC including any amendments and the intended use.
<b>SECTION 15 – REGULATORY INFORMATION</b>	
<b>OTHER SPECIAL CONSIDIRATIONS:</b>	No additional remarks.
<b>DISCLAIMER:</b>	Hygiene Systems believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling and possible addition of other chemicals, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for user’s consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data to comply with all applicable international, state, and local laws and regulations.