

MATERIAL SAFETY DATA SHEET

GENERAL PURPOSE CLEANER / DEGREASER

No. 1 | Date Issued: 28/09/2010

COMPANY DETAILS	
NAME: Hygiene Systems (Pty) Ltd	EMERGENCY TEL: 0860 494 4363
ADDRESS: 7 Hargan Road, Jet Park, Boksburg	TEL: 011 552 8403
SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION	
TRADE NAME:	General Purpose Cleaner / Degreaser
CHEMICAL FAMILY:	Solvent based detergent
CHEMICAL NAME:	Not applicable
SYNONYMS:	Not applicable
CHEMICAL ABSTRACT NO:	Not applicable
SECTION 2 – HAZARDOUS IDENTIFICATION	
MAIN HAZARD:	Harmful
FLAMMABILITY:	Not flammable
CHEMICAL HAZARD:	Harmful
BIOLOGICAL HAZARD:	Harmful
REPRODUCTIVE HAZARD:	Not known
HEALTH EFFECTS <i>(eye contact)</i>	Stinging sensation (severe irritant)
HEALTH EFFECTS <i>(skin contact)</i>	Burning sensation (irritant)
HEALTH EFFECTS <i>(ingestion)</i>	Harmful if swallowed. May cause severe irritation to mouth, throat and stomach, as well as nausea, vomiting and / or diarrhoea.
HEALTH EFFECTS <i>(inhalation)</i>	Not expected to be a hazard under normal use conditions with good ventilation

SECTION 3 - COMPOSITION

HAZARDOUS COMPONENTS:

	%	EC NUMBER	CLASSIFICATION
2-BUTOXY ETHANOL (CAS No. 111-76-2)	<10	203-905-0	H302/312/332/335
SODIUM META SILICATE (CAS No. 6834-92-0)	<5	229-912-9	H314/335


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:	DO NOT induce vomiting. Give copious amounts of water to drink. Seek medical advice.
PRODUCT INHALED:	Remove to fresh air. Consult physician, should breathing still be difficult.

SECTION 5 – FIRE FIGHTING MEASURES

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Splash goggles, overalls, boots and gloves. 
ENVIRONMENTAL PRECAUTIONS:	Do not allow to enter waterways.
SMALL SPILLS:	Flush to approved drain with plenty of water.
LARGE SPILLS:	Absorbed onto inert material. May be buried in an approved landfill site.

SECTION 7 – HANDLING AND STORAGE	
SUITABLE MATERIAL:	Polyethylene containers (original container)
HANDLING / STORAGE PRECAUTIONS:	Do not breathe vapour / spray. Avoid contact with skin and eyes. Store in a cool dry place away from acids.
SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION	
OCCUPATION EXPOSURE LIMITS:	ACGIH TLV (USA): TWA: >100mg/m ³ 8 hours [Theoretical: 2-butoxy ethanol]
ENGINEERING CONTROL MEASURES:	Keep the vapour concentrations below their occupational exposure limits, by providing adequate ventilation. Exhaust ventilation or other engineering controls may be necessary, if ventilation is inadequate.
PERSONAL PROTECTION: <i>(respiratory)</i>	If ventilation is inadequate, wear an appropriate respirator.
PERSONAL PROTECTION: <i>(hand)</i>	Rubber gloves if contact is prolonged.
PERSONAL PROTECTION: <i>(eye)</i>	Goggles / Face shield (recommended)
PERSONAL PROTECTION: <i>(skin)</i>	Overalls
OTHER PROTECTION:	Ventilation (local exhaust)
HYGIENE MEASURES:	Wash hands, forearms and face thoroughly after handling product and before eating, smoking and before going home.
SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE:	Clear, yellow liquid.
ODOUR:	Characteristic solvent.
pH (as is)	10.0 – 12.5
BOILING POINT:	Approx. 100°C
FREEZING POINT:	Not determined
FLASH POINT:	None
FLAMMABILITY:	Not flammable
EXPLOSIVE PROPERTIES:	Not considered as a product that has no explosion risk
OXIDIZING PROPERTIES:	None
VAPOUR PRESSURE:	Not determined
R.D. @20°C:	1.02 ± 0.01g/cm ³

SOLUBILITY: (water)	Complete
SOLUBILITY: (solvent)	Soluble in polar solvents
SOLUBILITY: (coefficient)	This product is more soluble in water
SECTION 10 – STABILITY AND REACTIVITY	
STABILITY:	The product is stable
INCOMPATIBLE MATERIALS:	Strong acids and oxidizing agents
SECTION 11 – TOXICOLOGICAL INFORMATION	
LOCAL EFFECTS:	
SKIN IRRITATION:	Hazardous in case of skin contact (irritant).
EYE IRRITATION:	Hazardous in case of eye contact (severe irritant).
ACUTE TOXICITY:	Acute oral toxicity (LD ₅₀): 2900mg/kg (rat) [Theoretical]
CHRONIC TOXICITY:	Chronic eye irritation and severe skin irritation may be produced with repeated or prolonged contact with the concentrated product.
SPECIFIC EFFECTS:	
CARCINOGENIC EFFECTS:	None, as classified by OSHA and NIOSH
SECTION 12 – ECOLOGICAL INFORMATION	
ECO-TOXICITY:	
ECO-TOXICITY IN WATER:	(LD ₅₀): >50mg/l [Theoretical], 96 hours (fish) 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	
DISPOSAL CONSIDERATION:	DO NOT re-use containers. Puncture all plastic containers.
DISPOSAL METHODS:	Waste must be disposed of in accordance with local government and environmental control regulations.
WASTE CLASSIFICATION:	No additional information.
EUROPEAN WASTE CATALOGUE (EWC):	No known data.
HAZARDOUS WASTE:	The classification of this product may meet the criteria for hazardous waste.


SECTION 14 – TRANSPORT INFORMATION

INTERNATIONAL TRANSPORT REGULATIONS:

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

SECTION 15 – REGULATORY INFORMATION

EU REGULATIONS:

HAZARD SUMBOL(S):	
CLASSIFICATION:	Warning
HAZARD STATEMENTS:	H315 – Cause skin irritation H319 – Causes serious eye irritation H305 – May be harmful if swallowed and enters airways
PRECAUTIONARY STATEMENTS:	P305 + P351 + P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 – If eye irritation persists: Get medical attention. P302 + P330 + P331 – If swallowed: Rinse mouth and do not induce vomiting. P301 + P312 – If swallowed: Call a doctor if you feel unwell.
PRODUCT USE:	Consumer applications. Classification and labelling have been performed as close as possible according to EU directive 67/548/EEC, 1999/45/EC including any amendments and the intended use.

SECTION 16 – OTHER INFORMATION

**OTHER SPECIAL
CONSIDERATIONS:**

No additional remarks.

DISCLAIMER:

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 for the user to determine the final suitability of this information and data to comply with all applicable international, state, and local laws and regulations.