



SAFETY DATA SHEET (SDS)

Date Revised : 01 / 15
Supercedes : 09 / 14

**URINE LUCK
URINAL BLOCK & SCREEN COMBO**

**MADE FROM 100 %
BIODEGRADABLE SURFACTANTS
FORTIFIED WITH ENZYME EXTRACTS**

SECTION 1 : IDENTIFICATION OF SUBSTANCE / COMPANY

PRODUCT NAME / IDENTIFIER :
PRIMARY APPLICATION / RECOMMENDED USAGE :

“ URINE LUCK ” : Urinal Block & Screen Combo
Blocks made from 100 % Biodegradable Surfactants /
Enzyme Extracts . EXTRA-DUTY URINAL ENZYMATIC
BLOCK / SCREEN contains powerful biodegradable and
biological cleaning agents housed inside a flexible urinal
screen which fits into the mouth of most urinals . The
block itself combines surfactants for emulsifying soils,
water softeners to help reduce lime scale build up and
enzymes to feed on uric acid salts and engulf odor-
producing bacteria. Each block/screen lasts for
approximately 30 days or 1,000 flushes.
Contains No Paradichlorobenzene
HEALTHY CLEAN BUILDINGS
4 Wilmington Drive
Melville, New York 11747
1- 631-643-1882
1- 518 - 638 - 6343
Refer to Product Label

DISTRIBUTED EXCLUSIVELY BY :

INFORMATION TELEPHONE :
EMERGENCY TELEPHONE :
USAGE RESTRICTIONS :

SECTION 2 : HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW : In its normal , packaged form , there is no adverse human or environmental effect from chronic exposure to this product . The hazards listed below are for direct contact with relatively unusually , large amounts of “ URINE LUCK ” .

Classification of the substance or mixture
(GHS-US)
Hazard Category 5 : Toxicity , Oral (Chapter 3.1)
Hazard Category 3 : Skin Irritation (Chapter 3.2)
Hazard Category 2b : Eye Irritation (Chapter 3.3)

Label Elements
Hazard Pictograms

(GHS-US Labeling



Skin & Eye Irritant

Signal Word :
Hazard Statements :

Warning
H303 : May Be Harmful If Swallowed .
H316 : May Cause Mild Skin Irritation .
H320 : May Cause Eye Irritation .



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Precautionary Statements : P101 : If medical advice is required, have product container or label available .
P102 Keep Out of Reach of Children
P103 . Read Label Before Use .
P264 : In the Event of Direct Contact , Wash Hands and Forearms Thoroughly After Handling
P305+P351+P338 – If In Eyes via Direct Contact , Rinse Cautiously with Water for Several Minutes .
If Easy To Do, Remove Contact Lenses .Continue Rinsing
P337+P313 – If Eye Irritation Persists , Get Medical Advice / Attention .

Other Hazards : Viable Bacterial Cultures used are Non-Pathogenic but can cause infection when in direct contact with open wounds .
These micro-organisms are susceptible to many commonly used antibiotics . Greater chance of eye irritation .

Ingredients with Unknown Acute Toxicity : None

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS :

Chemical characterization : White Solid Block (compressed biodegradable surfactants)

Hazardous Components : N / A

There are No OSHA Hazardous Substances in this product. The exact percentage of ingredients in this product have been withheld as trade secrets . Any hazards associated with this finished product are listed in SECTION 2 of this SDS .

“ Urine Luck ” Ingredient Disclosure :

Product / Ingredient Name :	CAS # :	% by Weight	Exposure Limits : TLV / PEL
Sodium Dodecylbenzene Sulfonate	25155 – 30 - 0	2 - 8	TLV – Not Established
Sodium Tetraborate Pentahydrate	12179-04-3	40-50	TLV – 1 Mg / M3
Sodium Sulfate Anhydrous	7757 – 82 - 6	15 - 20	TLV – Not Established
Polyethylene Glycol	25322 – 68 - 3	2 – 8	TLV – Not Established
Bacterial Mixture	NA	0.1 – 1.0	TLV – Not Established

NOTE : Approximate percentages – Percentages are withhold as trade secrets

SECTION 4 : FIRST AID MEASURES

Description of Necessary Measures :

Relevant Routes of Exposure : Inhalation , Skin Contact , Eye Contact , Ingestion

After Inhalation : Move to fresh air . Keep individual at rest in a position comfortable for breathing .Consult a doctor if adverse conditions persist (P261) .

After Skin Contact : Wash with plenty of mild soap and water ; followed by a warm water rinse . Apply a topical antiseptic agent to open wounds or broken skin . Launder soiled , contaminated clothing before reuse . If skin irritation or rash persists, seek medical attention .
(P332+P313)

After Eye Contact : Rinse cautiously with warm running water for 15 minutes . If easy to do, remove contact lenses .Continue water rinsing .
(P 305+P351+P338) If eye irritation persists such as blinking , redness , or pain , seek medical attention . (P337 + P313) .



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FIRST AID MEASURES : (continued)

After Ingestion : Rinse mouth . DO NOT induce vomiting . If patient is fully conscious, continue to rinse mouth with water and drink 2-3 glasses of water . If adverse conditions persist , seek medical attention . Never give anything by mouth if victim is unconscious, rapidly losing consciousness, or is convulsing . Call a Poison Control Center / Doctor / Physician, if necessary (P312) .

Note to Physicians : Treat symptomatically .

SECTION 5 : FIRE FIGHTING MEASURES :

Suitable Extinguishing Media : This product does not support combustion. Use fire extinguishing media appropriate for surrounding materials , such as Foam, Dry Powder, Carbon Dioxide, Water Spray, or Sand .

Specific Hazards Arising from the Chemical : NA

Unsuitable Extinguishing Media : None **Flashpoint (°F, °C , PMCC) :** N/A **Flammability :** Not Flammable

Hazardous Combustion Products : NA

Special Protective Equipment for Fire Fighters : Use protective equipment appropriate for fire fighting surrounding materials . When necessary, wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear .

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Environmental Precautions : Ventilate area . Use dry sweeping compound and recover any unused material . Dispose of material in an empty , labeled container in accordance with local, state, national , and international regulations .

SECTION 7 : HANDLING & STORAGE REQUIREMENTS

KEEP OUT OF REACH OF CHILDREN & PETS

Precautions for Safe Handling : Read product literature, label , and SDS before use . Use product strictly according to label directions .

Wash hands and other exposed areas with soap and water before eating, drinking, smoking; or when leaving work . Provide adequate ventilation in storage area to prevent formation of fumes . Avoid personal contamination, especially inhalation , after a spill .

Hygiene Measures : Wash hands and forearms thoroughly after handling . Launder soiled, contaminated clothing before re-use .

Safe Storage Conditions : Keep in original container in a cool , well-ventilated place away from open flames . Keep container closed when not in use . Avoid excessive heat . Avoid freezing product .

Incompatible Products : Isolate from Disinfectants , High pH Alkalis , Low pH Acids, Strong Oxidizers may inactivate bacterial cultures .

Incompatible Circumstances : Sources of Ignition (ie ; open flames) . Direct sunlight . Keep from Freezing .

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Healthy & Safety Accreditation : Biodegradable Surfactant and Enzyme - Driven

Workplace Control Parameters : If work practices generate dust, fumes, gas, vapors, or mists which expose individuals to abnormal exposure above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered .

Engineering Controls : Adequate general ventilation

Personal Protective Equipment : When using this product as directed on the product label , no protective equipment is necessary . Take normal precautions when using any biological - based product .

Respiratory Protection : May not be required under normal conditions of use . Otherwise, use appropriate mask

Skin / Hand Protection : May not be required under normal conditions . Otherwise , wear chemical resistant gloves and appropriate protective clothing .

Eye Protection : May not be required under normal conditions . Otherwise , wear chemical goggles, safety glasses , or full face shield .

Other Information : DO NOT eat, drink, or smoke during use .



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Solid Block (compressed biodegradable surfactant)	Color : White	Odor : Floral
pH (as is) : NA	Relative Evaporation Rate (butyl acetate=1) : NA	Melting Point : NA
Freezing Point : NA	Boiling Point (Initial) : NA	Flashpoint : NA
Solubility in Water : Soluble	Evaporation Rate (Ethyl Ether=1 : NA	Flammability : No
Explosive Limits : Undetermined	Vapor Pressure : Undetermined	Relative Density : NA
Partition coefficient : (n-octanol/water) Undetermined	Auto-ignition Temperature : Undetermined	Decomposition Temp. : Undetermined
Specific Gravity (Water = 1) : 1.20	% VOC (by weight) : NA	

SECTION 10 : STABILITY AND REACTIVITY

Reactivity : No Additional Information Available
Chemical stability : Stable under Normal Conditions (77°F /25°C).
Possibility of Hazardous Reactions : NE
Conditions to Avoid : Direct Sunlight . Extremely High or Low Temperatures .
Incompatible Materials : Disinfectants , High pH Alkalis , Low pH Acids , Strong Oxidizers may inactivate bacterial cultures .
Hazardous Decomposition By-products : Carbon Monoxide Fumes(CO) / Carbon Dioxide (CO2) may be produced . Sulphur compounds may also be produced .
Fumes Hazardous Polymerization : Will Not Occur

SECTION 11 : TOXICOLOGICAL INFORMATION

Information on Toxicological Effects : (" Urine Luck ") This finished product is not considered to be a harmful by IARC, ACGIH, NTP, or OSHA . Any hazards associated with this finished product are listed in SECTION 2 of this SDS .
Likely Routes of Exposure : Inhalation, Ingestion, Skin Contact, Eye Contact
Inhalation : Little, if any, Irritating Effect . If an allergic reaction does occur , move individual to fresh air .
Skin Contact : Little, if any, Irritating Effect . In extreme cases , if " Redness " or Sensitization occurs through direct skin contact , seek the attention of a physician immediately .
Eye Contact : Irritating Effect May Occur Through Direct Contact . In extreme cases , if "redness" and watering of eyes persists , seek the attention of a physician immediately .
Ingestion : None Under Normal Use . In extreme cases , nausea , stomach cramps , or vomiting may occur .
Symptoms Related to the Physical, Chemical, and Toxicological Characteristics (" Urine Luck ") : Unknown
Available Delayed and Immediate Effects (Chronic Effects from Short and Long Term Exposure) (" Urine Luck ") : No known effects .
Delayed and Immediate Effects (" Urine Luck ") : Unknown.
Chronic Effects (" Urine Luck ") : Unknown.
Teratogenicity, Mutagenicity (" Urine Luck ") : No Data Available
Reproductive Toxicity (" Urine Luck ") : Not Classified
Specific Target Organ Toxicity (Single Exposure) (" Urine Luck ") : Not Classified
Specific Target Organ Toxicity (Repeated Exposure) (" Urine Luck ") : Not Classified
Carcinogenic Categories (" Urine Luck ") : No components present at 0.1 % or greater are listed as being carcinogens by OSHA, ACGIH , IARC, or NTP .
NTP (National Toxicity Program) (" Urine Luck ") : None of the Ingredients are listed
IARC (International Agency for Research on Cancer) (" Urine Luck ") : None of the ingredients are listed .
OSHA (Occupational Safety and Health Administration) (" Urine Luck ") : None of the Ingredients are listed



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TOXICOLOGICAL INFORMATION (continued) :

Measures of Toxicity by Ingredients : The following Acute Toxicity Estimates (ATE) are calculated on this GHS document . Data not available or is insufficient for classification .

Acute Toxicity : (see tables below)

<u>Product / Ingredient Name :</u>	<u>Result :</u>	<u>Species :</u>	<u>Exposure :</u>
Sodium Dodecylbenzene Sulfonate cas # : 25155 - 30 - 0 (@ Min. 95 % Powder)	LD50	Rat	Oral = 438 mg/ kg
	LD50	Mouse	Intravenous = 105 mg/ kg
	LD50		Oral = 1330 mg/ kg

<u>Product / Ingredient Name :</u>	<u>Result :</u>	<u>Species :</u>	<u>Exposure :</u>
Sodium Tetraborate Pentahydrate cas # : 12179-04-3 (@ 100 % White , Crystalline Solid)	LD50	Rat	Low Acute Oral = 3, 305 mg/ kg of body weight
	LD50	Rabbits	Low Acute Dermal >2000 mg/ kg of body weight
	LC50	Rat	>2.0 mg / L (or g/ m3)

<u>Product / Ingredient Name :</u>	<u>Result :</u>	<u>Species :</u>	<u>Exposure :</u>
Sodium Sulfate Anhydrous cas # : 7757 - 82 - 6 (@ 100 % White Powder)	LD50	Mouse	Oral = 5,989 mg/ kg

<u>Product / Ingredient Name :</u>	<u>Result :</u>	<u>Species :</u>	<u>Exposure :</u>
Polyethylene Glycol cas # : 25322 - 68 - 3 (@ > 99 % Colorless Liquid)	LD50	Rat Male	Oral = 32,600 mg/ kg
	LD50	Rat Female	Oral = 32,500 mg/ kg
	LD50	Rabbit	Dermal = 20,000 mg/ kg
	LC50	Rat	Inhalation (Max. Conc) 8h, vapor > 13 ppm

Symptoms / Injuries After Inhalation (" Urine Luck ") : Not Established
Symptoms / Injuries After Skin Contact (" Urine Luck ") : Not Established
Symptoms / Injuries after Eye Contact (" Urine Luck ") : Not Established.



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SECTION 12 : ECOLOGICAL INFORMATION

ENVIRONMENTAL ACCREDITATION : There are No OSHA , WHMIS, or NOM-010-STPS Hazardous Substances in this product .
Any hazards associated with this finished product are listed in SECTION 2 of this SDS .

ECOTOXICITY :

Ingredients : See SECTION 3 of this SDS .

Ecotoxicity / Ingredients /Species :

Sodium Dodecylbenzene Sulfonate (cas # : 25155 – 30 – 0) @ Min. 95 % Powder : Not Available

<u>Result :</u>	<u>Species :</u>	<u>Period :</u>	<u>Exposure :</u>
EC50	Daphnia Magna	48 h	5.88 mg/ L
LC50	Lepomis Macrochirus	96 h	1.18 mg/ L
LC50	Oncorhynchus Mykiss	96 h	1.68 mg/ L
LC50	Lepomis Macrochirus	96 h	6.5 mg/ L

Environmental : Sodium dodecylbenzenesulfonate's use as an anionic detergent results in its release into the environment through various waste streams. Sodium dodecylbenzenesulfonate has high mobility in soil. Volatilization of sodium dodecylbenzenesulfonate is not expected from moist or dry soils. In water, sodium dodecylbenzenesulfonate is expected to be essentially non-volatile. Bioconcentration, adsorption to sediment, and hydrolysis are not expected to be important in aquatic systems. Biodegradation of sodium dodecylbenzenesulfonate is an important fate process in both aerobic soil and aquatic conditions based on a variety of biodegradation studies. Sodium dodecylbenzenesulfonate exists in the particulate phase in the ambient atmosphere. Removal of sodium dodecylbenzenesulfonate from the atmosphere can occur through wet deposition.

Sodium Tetraborate Pentahydrate (cas # : 12179-04-3) (@ 100 % White , Crystalline Solid)

Algal toxicity :

<u>Result :</u>	<u>Species :</u>	<u>Period :</u>	<u>Exposure :</u>
EC50 (biomass)	Green algae, Selenastrum capricornutum	72 hr	40 mg B/ L (lowest value)
NOEC (based on growth)		72 hr	17.5 mg B/ L (lowest value)

Aquatic Invertebrate toxicity :

<u>Result :</u>	<u>Species :</u>	<u>Period :</u>	<u>Exposure :</u>
EC50	Daphnid, Daphnia magna (Straus)	48-hr	133 mg B/ L (lowest value)
NOEC		21-day	6 mg B/ L (lowest chronic value)
NOEC		21-day	10.5 mg B/ L (geometric mean, 6 tests)
NOEC	Larval midge, Chironomus riparius	28-day	180 mg B/ L (spiked sediment)
LC50	Inhibition Respiration of Activated Sludge	3 hr Standard Test	175 mg B/ L

<u>Result :</u>	<u>Species :</u>	<u>Period :</u>	<u>Exposure :</u>
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Fish toxicity :

LC50	Sea-water: Dab, Limanda limanda	96-hr	74 mg B/ L
LC50	Fresh water: Flannelmouth sucker, Catostomas latipinnis	96 hr	125 mg B/ L
NOEC	Zebrafish, Brachydanio rerio	34-day	5.6 mg B/L (lowest value)

Ecotoxicity to Terrestrial Organisms Plant toxicity : Short term tests of shoot length report 7-10 day IC50 values of 452 to 1603 mg B/kg soil (dry wt) for 12 plant species. The most sensitive end-point for long term plant studies reported a NOEC of 1.6 mg B/kg-soil for the bean Phaseolus vulgaris. 13 Studies also indicate that soil concentrations of less than 2 mg B/kg soil could be deficient in boron as a plant micronutrient, affecting almost half of those species tested.

Terrestrial Invertebrate toxicity :

<u>Result :</u>	<u>Species :</u>	<u>Period :</u>	<u>Exposure :</u>
NOEC	14-15 Earthworm, Eisenia andrei	56-63 day	54 mg B/kg dry soil (geometric mean, 4 tests)
NOEC	Collembolan, Folsomia candida & Onychirius folsomi	35 day	31-37 mg B/kg dry soil

Environmental : (Persistence / Degradation) Boron is naturally occurring and ubiquitous in the environment . Borax Pentahydrate decomposes into the environment as natural borate . (Octanol / Water Partition Coefficient) No Value . In aqueous solution , borax pentahydrate is converted substantially into disassociated boric acid . (Soil Mobility) This ingredient is soluble in water and is leachable through normal soil .



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Sodium Sulfate Anhydrous (cas# : 7757 – 82 – 6) (@ 100 % White Powder)

<u>Result :</u>	<u>Species :</u>	<u>Period :</u>	<u>Exposure :</u>
LC50	Fish: Bluegill/Sunfish:	96 Hr	12,750 ppm;
LC50	Static bioassay Water flea Daphnia	96 Hr	4547 mg/L
LC50	Unspecified Fish: Fathead Minnow	24 - 96 Hr	13,500-14,000 mg/ L
LC50	Unspecified Fish: Mosquito Fish	96 Hr	17,500 mg/ L

This ingredient is not expected to cause oxygen depletion in aquatic systems. It has a low potential to affect aquatic organisms and is expected to have a low potential to affect secondary waste treatment microorganisms.

Environmental: Sodium sulfate may persist indefinitely in the environment, but is not likely to show bioaccumulation or food chain contamination effects. If diluted with water, this chemical released directly or indirectly into the environment is not expected to have a significant impact.

Polyethylene Glycol (cas # 25322 – 68 – 3) (@ > 99% Colorless Liquid)

This ingredient is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 >100 mg/L in the most sensitive species tested .

<u>Result :</u>	<u>Species :</u>	<u>Period :</u>	<u>Exposure :</u>
Aquatic Invertebrate Acute Toxicity			
LC50	Water Flea Daphnia Magna, Static	48 hr.	53,484 mg/ L
Fish Acute & Prolonged Toxicity			
LC50	Fathead Minnow (Pimephales promelas), Static	96 hr.	87,209 mg/ L

Environmental : (Movement & Partitioning) No bioconcentration is expected because of the relatively high water solubility.

(Persistence and Degradability) Material is expected to be readily biodegradable.

Biological oxygen demand (BOD): BOD 5 | BOD 10 | BOD 20.

5 - 17 % | 34.5 - 38 % | 40.2 - 70 %

Chemical Oxygen Demand: 1.81 mg/ mg

Theoretical Oxygen Demand: 1.74 mg/ mg

Mobility (“ Urine Luck ”) : This product is miscible in water.

Degradability (“ Urine Luck ”) : This product is expected to be readily biodegradable.

Additional Information (“ Urine Luck ”) : None available

BIOACCUMULATIVE POTENTIAL :

(“ Urine Luck ”).....Not Established

TERRESTRIAL TOXICITY (“ Urine Luck ”) :No Additional Information Available

MOBILITY IN SOIL (“ Urine Luck ”) :No Additional Information Available

OTHER ADVERSE EFFECTS :

Effect on Ozone Layer (“ Urine Luck ”) :No Additional Information Available

Effect on Global Warming (“ Urine Luck ”) :No Additional Information Available

Other Information (“ Urine Luck ”) :Avoid Release Into the Environment

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations : Dispose in safe manner in accordance with local / state / federal / international regulations.

Dispose of contents / container in accordance with local/regional/national/ international regulations . May be burned in a chemical incinerator with an afterburner and scrubber after consulting with the waste disposal facility operator and the pertinent authorities while adhering to the necessary regulations .

Ecology – Waste Materials : Avoid release into environment .

Recommended Cleansing Agents : Water Only

SECTION 14 : TRANSPORT INFORMATION

US DOT, IATA, IMDG, TDG, SCT : This product is not regulated for transport.

ADDITIONAL INFORMATION : No other special precautions with transport are known.



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SECTION 15 : REGULATORY INFORMATION

Safety, Health, and Environmental Regulations/Legislation specific for the substance or mixture

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200 :

The Occupational Safety and Health Administration requires Safety Data Sheets to provide any hazards that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain additional health hazard information not pertinent to consumer use.

US TSCA INVENTORY STATUS : All chemicals used in this product are either listed on or exempt from the TSCA Inventory.

SARA 302 COMPONENTS : No chemicals used in this product are reportable under SARA Title III, Section 302.

SARA 311/ 312 / 313 COMPONENTS : No chemicals used in this product are reportable under SARA Title III, Section 311-313.

CALIFORNIA PROPOSITION 65 : This product is not known to contain any chemicals currently listed under California Proposition 65 at reportable levels.

MASSACHUSETTS COMMONWEALTH'S RIGHT TO KNOW : No chemicals used in this product are reportable under the Massachusetts Commonwealth's Right to Know Act.

NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW : No chemicals used in this product are reportable under the New Jersey's Right to Know Act.

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW : No chemicals used in this product are reportable under the Pennsylvania Worker and Community Right to Know Act.

CANADA DSL STATUS : All chemicals used in this product are either listed or exempt.

WHMIS CLASSIFICATION : ND

SECTION 16 : OTHER INFORMATION

HMIS Rating		GHS classification ratings order of severity differ from NFPA and HMIS	
HEALTH	1	HMIS/NFPA Hazard Ratings	GHS Hazard Categories
FLAMMABILITY	0	0= Minimal Hazard	Cat 1 ~ Severe Hazard
PHYSICAL HAZARD	0	1= Slight Hazard	Cat 2 ~ Serious Hazard
PERSONAL PROTECTION	a	2= Moderate Hazard	Cat 3 ~ Moderate Hazard
		3= Serious Hazard	Cat 4 ~ Slight Hazard
		4= Severe Hazard	Cat 5 ~ Minimal Hazard

DISCLAIMER : This document is intended to provide a brief summary of our present knowledge and guidance regarding the use of this material . The information set forth herein has been compiled from sources to be dependable and is believed to be accurate as of the date of issuance . This information is offered in good faith by HEALTHY CLEAN BUILDINGS and no warranty, expressed or implied, is made . The user assumes all liability for any damage or injury resulting from misuse, from any failure to adhere to recommended practices according to product label (and such), or from any hazards inherent in the nature of the product . This document shall not constitute a guarantee for any specific product features and shall not establish a legally valid contracted relationship.

Footnotes : CALC-Calculated; COR-Corrosive; CS-Cancer Suspect Agent; EST-Estimated; HMIS-Hazardous Material Identification System; NA-Not Applicable; ND-No Data ; NE – Data Not Established; OX- Oxidizer; PEL-Permissible Exposure Limit; PPI-Personal Protection Index ; STEL-Short Time Exposure Limit; TLV-Threshold Limit Value; TWA-Time Weighted Average