

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	New Dollar Presoak Detergent	Item
Product Use	Silverware Brightener & Heavy Duty Pre-Soak Detergent	
Company Name	ChemMark of Houston, Inc. 6531 Petro Park Houston TX 77041	Office (832) 467-1233 Fax (832) 467-1735 Web www.chemmarkhouston.com
	EMERGENCY TELEPHONE NUMBER	INFOTRAC (800) 535-5053

SECTION – 2 HAZARDS INFORMATION**Pictogram****Signal Word** Danger**Hazards** Health, Physical and Environmental Hazard Statements

Causes skin irritation
 Causes serious eye damage
 Harmful to aquatic life
 Harmful to aquatic life with long lasting effects

Hazard Classification

Category 2 Skin
 Category 1 Eyes
 Category 3 Acute Toxicity
 Category 3 Chronic Toxicity

Code

H315
 H318
 H402
 H412

Precautions Handling, Storage and Disposal

Wash thoroughly after handling
 Do not eat, drink or smoke when using this product
 Avoid release to the environment
 Use personal protective equipment as required

Code

P264
 P270
 P273
 P281

SECTION – 3 COMPOSITION INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

<u>CHEMICAL NAME</u>	<u>COMMON NAME AND SYNONYMS</u>	<u>CAS #</u>	<u>IMPURITIES</u>	<u>PERCENT</u>
Trisodium Phosphate	Sodium phosphate	7601-54-9		1 - 5%
Sodium Nitrite		7632-00-0		1 - 5%
Nonylphenol Ethoxylate	Polyoxyethylene Nonyl Phenyl Ether	127087-87-0	Poly(ethylene oxide) < 3%, Dinonylphenyl polyoxyethylene < 2%	1 - 5%

SECTION – 4 FIRST AID MEASURES

EYE CONTACT	Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid
SKIN CONTACT	Wash contaminated skin with plenty of water, Remove any contaminated clothing and wash before reuse, If irritation occurs or persists seek medical aid
INHALATION	Not Applicable
INGESTION	DO NOT INDUCE VOMITING. If person is fully conscious, rinse mouth out and give one to two glasses of water to dilute and obtain immediate medical attention

Aspiration Hazard Not applicable**ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE**

Eyes	Causes serious eye irritation, discomfort, redness, tearing, burning, or possible eye damage
Skin	Can cause skin irritation, itching, redness, burning, drying or cracking
Inhalation	Spray mist may cause mild irritation
Ingestion	May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye damage, corrosive burns, or corneal injury
Skin	Causes skin irritation, defatting of the skin which may lead to dermatitis
Inhalation	Spray mist may cause irritation, to mucus membranes or respiratory tract
Ingestion	May be harmful if swallowed, Can cause irritation, of the mouth, throat, esophagus, and stomach

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable: Use extinguishing media for surrounding fire
Hazardous Decomposition	Burning or thermal decomposition can produce, phosphorus oxides, carbon monoxide, carbon dioxide, nitrogen oxides, sodium oxides, and other toxic fumes
Reactive With	Reactive with, strong oxidizing agents, strong bases, ammonia, amines, acids, cyanides, powdered metals
Explosion Hazards	Not applicable
Static Discharge	Not applicable
Mechanical Impact	Not applicable
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill
Personal Precautions	Avoid slipping on spilled product
Protective Equipment	Safety Glasses, Gloves
Containment	Use rags, towels, absorbent socks or pads to prevent spill from spreading
Clean Up Procedures	Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Use appropriate safety equipment, Avoid eye and skin contact, May be harmful if swallowed, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment, Triple rinse container before discarding
Storage	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store away from incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong bases, ammonia, amines, acids, cyanides, powdered metals

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Nonylphenol Ethoxylate	None Established				ED
Sodium Nitrite	None Established				EI
Trisodium Phosphate		(WEEL) 5 mg/m ³			ED, SI, RT

PERSONAL PROTECTIVE EQUIPMENT

Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



Eye Wash (Recommended)

**Ventilation**

General Ventilation

HMIS HAZARD RATINGS

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 93.3°C (200°F) - TAG Closed Cup	Specific Gravity / Density	1.15
Flammable Limits	ND	pH (± 0.3)	10.6
Auto-Ignition Temp.	ND	Viscosity	ND
Physical State	Liquid	Freeze Point	~ 0°C (32°F)
Appearance	Clear Aqua Green	Boiling Point	~ 100°C (212°F)
Odor	Minimal	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mm Hg)	ND
Solubility	100%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 80%	Partition Coefficient	ND
VOC	0.0%	Molecular Weight (g/mol)	~ 93.50
LVP-VOC	0.0%	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable under normal ambient and anticipated conditions of use
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong bases, ammonia, amines, acids, cyanides, powdered metals
Thermal Decomposition	Burning or thermal decomposition can produce, sulfur oxides, phosphorus oxides, carbon monoxide, carbon dioxide, sodium oxides, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Inhalation (Yes "Mist"), Ingestion (Yes)

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Causes serious eye irritation, discomfort, redness, tearing, burning, or possible eye damage
Skin	Can cause skin irritation, itching, redness, burning, drying or cracking
Inhalation	Spray mist may cause mild irritation
Ingestion	May be harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye damage, corrosive burns, or corneal injury		
Skin	Causes skin irritation, defatting of the skin which may lead to dermatitis		
Inhalation	Spray mist may cause irritation, to mucus membranes or respiratory tract		
Ingestion	May be harmful if swallowed, Can cause irritation, of the mouth, throat, esophagus, and stomach		
Acute Tox Calculated	Oral:	4,258 mg/kg	Dermal: 42,508 mg/kg Inhaled: 48.5 mg/L
Acute Tox Category	Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >5000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist		

Additional Info

Target Organs	Eyes
Medical Conditions	No medical conditions known to be aggravated by the use of this product
Notes to Physician	In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed	NA	NA	NA	NA

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Trisodium Phosphate	LD50	Oral	Rat	7,400 mg/kg		(>2000 mg/kg)
Nonylphenol Ethoxylate	LD50	Oral	Rat	960 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Inhaled	Rat	1.15 mg/L	4 Hours (Mist)	4 (>1.0, ≤5 mg/L)
	LD50	Dermal	Rabbit	2,001 mg/kg		(>2000 mg/kg)
Sodium Nitrite	LD50	Oral	Rat	157.9 mg/kg		3 (>50, ≤300 mg/kg)

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Trisodium phosphate	LD50	Mosquito Fish	(Gambusia affinis)	28.5 mg/L	96 Hours	3 (>10, ≤100 mg/L)
Nonylphenol Ethoxylate	LC50	Fathead Minnow	(Pimephales promelas)	3.8 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	LC50	Water Flea	(Daphnia magna)	9.3 mg/L	48 Hours	2 (>1, ≤10 mg/L)
	LC50	Rainbow Trout	(Oncorhynchus mykiss)	0.94 mg/L	96 Hours	3 (>10, ≤100 mg/L)
Sodium Nitrite	LC50	Rainbow Trout	(Oncorhynchus mykiss)	0.94 mg/L	96 Hours	3 (>10, ≤100 mg/L)
	EC50	Water Flea	(Daphnia magna)	12.5 mg/L	48 Hours	3 (>10, ≤100 mg/L)
Presistence And Degradability	This product is inherently biodegradable according to the OECD definition					
Bioaccumulative Potential	There is no evidence to suggest bioaccumulation will occur					
Mobility In Soil	This material is a partially mobile liquid					
Other Adverse Effects	Harmful to aquatic life with long lasting effects					

SECTION – 13 DISPOSAL CONSIDERATIONS**DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER****Dispose of any waste in accordance with all State and Federal Guidelines and Regulations****ENVIRONMENTAL FATE**

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste

CONTAINER DISPOSAL - Triple rinse container then offer for recycling. If not available, puncture and dispose in a sanitary landfill

SECTION – 14 TRANSPORT INFORMATION**DOT CLASSIFICATION****UN Number****Proper Shipping Name n.o.s. (Chemicals) or "Limits"**

Not Regulated Non Hazardous – Compounds Cleaning Liquid

<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
None	None	None	None	154	No		

Additional Info:**SECTION – 15 REGULATORY INFORMATION****TSCA**

<u>CHEMICAL NAME</u>	<u>Sec 8(b) Inventory</u>	<u>Sec 8(d) Health And Safety</u>	<u>Sec 4(a) Chemical Test Rules</u>	<u>Sec 12(b) Export Notification</u>
Sodium Nitrite	Yes			

REPORTABLE QUANTITIES

Extremely Hazardous

Reportable Quantity

Emission Reporting

<u>CHEMICAL NAME</u>	<u>EPCRA TPQ Sec 302</u>	<u>EPCRA RQ Sec 304</u>	<u>CERCLA RQ Sec 103</u>	<u>TRI Sec 313</u>	<u>RCRA Code</u>	<u>RMP TQ Sec 112r</u>
Sodium Nitrite			100	Yes		

SARA

Section 311

Section 311 / 312 Hazards

<u>CHEMICAL NAME</u>	<u>Hazardous Chemical</u>	<u>Acute</u>	<u>Chronic</u>	<u>Flammable</u>	<u>Pressure</u>	<u>Reactive</u>
Nonylphenol Ethoxylate	Yes	Yes				
Sodium Nitrite	Yes	Yes	Yes			Yes
Trisodium phosphate	Yes	Yes				

RIGHT TO KNOW

STATE

<u>CHEMICAL NAME</u>	<u>CA</u>	<u>CT</u>	<u>FL</u>	<u>IL</u>	<u>LA</u>	<u>NJ</u>	<u>NY</u>	<u>PA</u>	<u>MI</u>	<u>MN</u>	<u>MA</u>	<u>RI</u>	<u>WI</u>
Nonylphenol Ethoxylate						Yes		Yes					
Sodium Nitrite						Yes		Yes			Yes		
Trisodium phosphate						Yes		Yes			Yes		

CALIFORNIA**WARNING! This product contains chemicals known to the state of California to cause:**

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>Birth Defects</u>	<u>Reproductive Harm</u>	<u>Carcinogen</u>	<u>Developmental</u>
None Listed					

CLEAN AIR WATER ACTS

Clean Air Acts

Clean Water Acts

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>HAP</u>	<u>Ozone Class 1</u>	<u>Ozone Class 2</u>	<u>HS</u>	<u>PP</u>	<u>TP</u>
None Listed							

INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

<u>CHEMICAL NAME</u>	<u>Australia</u>	<u>Canada</u>	<u>Europe (EINECS)</u>	<u>Japan</u>	<u>Korea</u>	<u>UK</u>
Sodium Nitrite	Yes	Yes	Yes	Yes	Yes	Yes

SECTION – 16 OTHER INFORMATION**SDS LEGEND DESCRIPTION**

~	Approximately	*	Additional Information
ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NE	Not Established
EPA	Environmental Protection Agency	NFPA	National Fire Protection Association
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NIOSH	National Institute for Occupational Safety and Health
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous Air Pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	UEL	Upper Explosive Limit

ChemMark of Houston, Inc.

and nCites LLC have compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.