



SAFETY DATA SHEET

Clean Laundry

Revision Date 1/14/2016

SECTION - 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Clean Laundry **ITEM** 001105
001115

PRODUCT USE Liquid Laundry Detergent

COMPANY NAME Magnus **Office** (855) 962-4687
3680 W Royal Lane, Suite# 155A **Fax**
Irving TX 75063 **Web**

EMERGENCY TELEPHONE NUMBER CHEMTREC (800) 424-9300

SECTION - 2 HAZARDS INFORMATION

Health Hazards EYES-Category 1; SKIN-Category 2
Environmental ACUTE-Aquatic Toxicity-Category 3; CHRONIC-Aquatic Toxicity-Category 3



Eye Damage

Danger Causes serious eye damage, Causes skin irritation
May be harmful if swallowed, Do not get in eyes or on skin, Do not smoke, eat or drink while using, Use proper Safety Equipment, safety glasses, or goggles, and rubber gloves, Wash thoroughly after handling, Avoid release into the environment

SECTION - 3 COMPOSITION INFORMATION (Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Sodium Denzenesulfonate	Sodium (C10-16) benzenesulfonate	68081-81-2		1 - 15%

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 obtain medical attention, preferably from an ophthalmologist

SKIN CONTACT Wash contaminated skin with plenty of soap and water, Remove contaminated shoes or 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 give one to two glasses of water to dilute and obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

Aspiration Hazard Not applicable

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Causes serious eye irritation, discomfort, redness, tearing, burning, pain, or possible eye damage

Skin Can cause skin irritation, redness, burning, drying or cracking

Inhalation Not applicable

Ingestion May be harmful if swallowed, May cause irritation, of the mouth, throat, and esophagus

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye damage, tearing, burning, severe pain, or possible corneal injury

Skin Causes skin irritation, defatting of the skin which may lead to dermatitis

Inhalation Spray mist may cause mild irritation, to mucus membranes or respiratory tract

Ingestion May be harmful if swallowed, Can cause serious irritation, of the mouth, throat, and esophagus, Symptoms may include, nausea, diarrhea, vomiting, abdominal pain

SECTION - 5 FIRE FIGHTING MEASURES

Extinguishing Media Not flammable: Use extinguishing media for surrounding fire

Hazardous Decomposition Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, nitrogen oxides, sodium oxides, and other toxic fumes

Reactive With Reactive with, strong oxidizing agents, strong acids

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, Stop spill or release only if it can be done safely
Personal Precautions	Avoid slipping on spilled product, Keep unprotected personnel from entering the hazard area
Protective Equipment	Safety Glasses, Chemical Gloves and Rubber Boots
Containment	Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from entering the environment
Clean Up Procedures	Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water Large Spills: Absorb spill with inert material, place in a chemical waste container, 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	Keep away from incompatible materials, Use appropriate safety equipment, 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 in a cool dry place away from incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong acids

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

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Sodium Denzenesulfonate	None	Established			

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	1.01
Flammable Limits	ND	pH (± 0.3)	7.5
Auto-Ignition Temp.	ND	Viscosity	ND
Physical State	Liquid	Freeze Point	~ 0°C (32°F)
Appearance	Clean	Boiling Point	~ 100°C (212°F)
Odor	None	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mm Hg)	ND
Solubility	100%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 86%	Partition Coefficient	ND
VOC	0.0%	Molecular Weight (g/mol)	~ 114.96
LVP-VOC	0.0%	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	No specific test data related to reactivity available for this product or its ingredients
Chemical Stability	Stable when stored above 4.4°C (40°F) and below 49°C (120°F)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong acids
Thermal Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, nitrogen oxides, 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, pain, or possible eye damage
Skin Can cause skin irritation, redness, burning, drying or cracking
Inhalation Not applicable
Ingestion May be harmful if swallowed, May cause irritation, of the mouth, throat, and esophagus

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye damage, tearing, burning, severe pain, or possible corneal injury
Skin Causes skin irritation, defatting of the skin which may lead to dermatitis
Inhalation Spray mist may cause mild irritation, to mucus membranes or respiratory tract
Ingestion May be harmful if swallowed, Can cause serious irritation, of the mouth, throat, and esophagus, Symptoms may include, nausea, diarrhea, vomiting, abdominal pain

Acute Tox Calculated **Oral:** 4,679 mg/kg **Dermal:** 9,653 mg/kg **Inhaled:** > 50.0 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 Mucous Membranes, Eyes (Lens or cornea), Skin
Medical Conditions Preexisting, eye, skin, respiratory, disorders may be aggravated by exposure to 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>
Sodium Denzenesulfonate	LD50	Oral	Rat	> 1000 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rabbit	> 2000 mg/kg		(>2000 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>
Sodium Denzenesulfonate	LC50	Fish	(Unknown species)	1.67 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	EC50	Water Flea	(Daphnia magna)	29 mg/L	48 Hours	3 (>10, ≤100 mg/L)
	EC50	Algae	(Not specified)	2.4 mg/L	72 Hours	2 (>1, ≤10 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 empty 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													
CHEMICAL NAME	Sec 8(b) Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification									
Sodium Denzenesulfonate	Yes												
REPORTABLE QUANTITIES													
CHEMICAL NAME	Extremely Hazardous	Reportable Quantity	Emission Reporting										
None Listed	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r							
SARA													
CHEMICAL NAME	Section 311	Section 311 / 312 Hazards											
Sodium Denzenesulfonate	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive							
	Yes	Yes											
RIGHT TO KNOW													
CHEMICAL NAME	STATE												
None Listed	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
CALIFORNIA													
CHEMICAL NAME	CAS #	WARNING! This product contains chemicals known to the state of California to cause:											
None Listed		Birth Defects	Reproductive Harm	Carcinogen	Developmental								
CLEAN AIR WATER ACTS													
CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts								
None Listed		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP						
INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:													
CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK							
Sodium Denzenesulfonate	Yes	Yes	Yes	Yes	Yes	Yes							
WHMIS Classification													
CHEMICAL NAME	DSL	Class	Description										
None Listed													

SECTION – 16 OTHER INFORMATION

SDS	LEGEND DESCRIPTION		
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	NFPA	National Fire Protection Association
EPA	Environmental Protection Agency	NIOSH	National Institute for Occupational Safety and Health
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NE	Not Established
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

Stars & Stripes Chemical Co

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