

ISSUE DATE: September 2012

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VERSION: 1

1. IDENTIFICATION

PRODUCT IDENTIFIER

PRODUCT NAME PREMIUM SOLVENT DETERGENT

OTHER MEANS OF IDENTIFICATION

Product Code LDLADNP

Document E-173

Recommended Uses Powdered Laundry Detergent

SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS EMULSO
2750 Kenmore Avenue
Tonawanda, NY 14150

EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (716) 854-2889
COMPANY FAX NUMBER (716) 854-2809
24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)
NORTH AMERICA 800-535-5053
INTERNATIONAL 352-323-3500

2. HAZARDS IDENTIFICATION

CLASSIFICATION

OSHA Regulatory Status This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Skin corrosion/irritation Category 1 Sub-category B
Serious eye damage/eye irritation Category 1

SIGNAL WORD Danger

HAZARD STATEMENTS



HAZARD STATEMENTS 1. Causes severe skin burns and eye damage

APPEARANCE Opaque Powder **PHYSICAL STATE** Powder **ODOR** None

PRECAUTIONARY STATEMENTS

PREVENTION Do not breathe dust/fume/gas/mist/vapors/spray.

Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

- RESPONSE** Immediately call a POISON CENTER or doctor/physician.
- IF SWALLOWED** Rinse mouth. Do NOT induce vomiting.
- IF IN EYES** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF ON SKIN/HAIR** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
- IF INHALED** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- STORAGE** Store locked up.
- DISPOSAL** Dispose of contents/container to an approved waste disposal plant.
- OTHER INFORMATION** May be harmful if swallowed.
- UNKNOWN ACUTE TOXICITY** 3.81% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CHEMICAL NAME	CAS NUMBER	WEIGHT - %	Trade Secret
Sodium carbonate	497-19-8	50%-60%	*
Sodium Metasilicate	6834-92-0	1%-10%	*
Zeolite	006989-22-0	1%-10%	*

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

- GENERAL ADVICE** Show this safety data sheet to the doctor in attendance.
- EYE CONTACT** Immediately flush eyes with water for a least 15 minutes while holding eyelids open. Get medical attention.
- SKIN CONTACT** Wash off with plenty of water. Remove any contaminated clothing and wash before re-use. Wash with water for 10-15 minutes.
- INHALATION** Remove to fresh air. If breathing is difficult, seek medical attention.
- INGESTION** Give large quantities of water to dilute stomach contents. Consult a physician. Immediate medical attention is required.

PROTECTION OF FIRST AIDERS Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE & DELAYED

MAIN SYMPTOMS The most important known symptoms and effects are described in the labelling in section 2 and/or in section 11.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

NOTES TO PHYSICIAN Treat symptomatically.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA CAUTION: Use of water spray when fighting fire may be inefficient.

SPECIFIC HAZARDS ARISING FROM CHEMICAL No information available.

EXPLOSION DATA

SENSITIVITY TO MECHANICAL IMPACT None.
SENSITIVITY TO STATIC DISCHARGE None.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved and equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS Avoid contact with the skin and the eyes. Avoid dust formation. Ensure adequate ventilation.
ENVIRONMENTAL PRECAUTIONS Keep out of waterways. See Section 12 for additional Ecological Information.

METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

CONTAMINATION CLEAN-UP Prevent further leakage or spillage if safe to do so.
Sweep up spilled material taking care not to produce dust.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES Keep container tightly closed when not in use. Do not eat, drink or smoke when using this product. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

STORAGE CONDITIONS Keep out of the reach of children. Keep tightly closed in a dry and cool place.

INCOMPATIBLE MATERIALS Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

Review Section 3 & 4 for Exposure guidelines.

ENGINEERING CONTROLS Ensure adequate ventilation.

INDIVIDUAL PROTECTION MEASURES

EYE/FACE PROTECTION Splash-proof chemical goggles or face shield.

SKIN/BODY PROTECTION Rubber gloves.

RESPIRATORY PROTECTION

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

GENERAL HYGIENE Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Powder
APPERANCE Opaque Powder
COLOR White
ODOR None
ODOR THRESHOLD No information available.

PROPERTY	VALUES	REMARKS METHODS
pH	11.0	@ 1%
MELTING POINT/FREEZING POINT	No information available.	
BOILING POINT/BOILING RANGE	N/A	
FLASH POINT	N/A	
EVAPORATION RATE	N/A	
FLAMMABILITY (SOLID, GAS)	No information available.	

UPPER FLAMMABILITY LIMITS IN AIR	No information available.
LOWER FLAMMABILITY LIMITS IN AIR	No information available.
VAPOR PRESSURE	No information available.
VAPOR DENSITY	No information available.
SPECIFIC GRAVITY	N/A
WATER SOLUBILITY	Completely soluble.
SOLUBILITY IN OTHER SOLVENTS	No information available.
PARTITION COEFFICIENT: n-octanol/water	No information available.
AUTOIGNITION TEMPERATURE	No information available.
DECOMPOSITION TEMPERATURE	No information available.
VISCOSITY, KINEMATIC	No information available.
VISCOSITY, DYNAMIC	No information available.
EXPLOSIVE PROPERTIES	No information available.
OXIDIZING PROPERTIES	No information available.

OTHER INFORMATION

SOFTENING POINT	N/A
MOLECULAR WEIGHT	N/A
VOC CONTENT (%)	<1%
DENSITY VALUE	N/A
BULK DENISTY VALUE	N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY	Stable under recommended storage conditions.
POSSIBILITY OF HAZARDOUS REACTIONS	None under normal processing.
CONDITIONS TO AVOID	Extremes of temperature and direct sunlight.
INCOMPATIBLE MATERIALS	Acids.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon dioxide if in contact with acid.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

PRODUCT INFORMATION	Causes severe skin burns and eye damage.
EYE CONTACT	Corrosive to the eyes and may cause severe damage including blindness.
SKIN CONTACT	Contact causes severe skin irritation and possible burns.
INHALATION	Inhalation of dust in high concentration may cause irritation of respiratory system.
INGESTION	Severe irritation of the gastrointestinal tract, causing vomiting, nausea and burns.

COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Sodium carbonate 497-19-8	= 4090 mg/kg (Rat)	-	= 2300 mg/m ³ (Rat) 2 h
Sodium Metasilicate 6834-92-0	= 600 mg/kg (Rat)	-	-

Information on Toxicological Effects

SYMPTOMS No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

SENSITIZATION No information available.
MUTAGENIC EFFECTS No information available.

CARCINOGENICITY The table below indicates whether each agency has listed any ingredient as a carcinogen.
IARC International Agency for Research on Cancer Group 3 Not Classifiable as to Carcinogenicity in Humans

REPRODUCTIVE TOXICITY No information available.
STOT – SINGLE EXPOSURE No information available.
STOT – REPEATED EXPOSURE No information available.
CHRONIC TOXICITY No known effect. No reportable carcinogens, mutagens, sensitizers, synergistic materials, teratogens, or reproductive toxins.
ASPIRATION HAZARD No information available.

Numerical measures of toxicity – Product Information

UNKNOWN ACUTE TOXICITY 3.81% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 2728 mg/kg
ATEmix (dermal) 12517 mg/kg
ATEmix (inhalation-dust/mist) 4.2 mg/l

12. ECOLOGICAL INFORMATION

CHEMICAL NAME	ECOTOXICITY		
	ALGAE/ AQUATIC PLANTS	FISH	CRUSTACEA
Sodium carbonate 497-19-8	4.91% of the mixture consists of components(s) of unknown hazards to the aquatic environment. 242: 120 h Nitzschia mg/L EC50	310 - 1220: 96 h Pimephales promelas mg/L LC50 static 300: 96 h Lepomis macrochirus mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50

Sodium
Metasilicate
6834-92-0

210: 96 h Brachydanio rerio mg/L
LC50 semi-static 210: 96 h
Brachydanio rerio mg/L LC50

PERSISTENCE AND DEGRADABILITY No information available.
BIOACCUMULATION No information available.
OTHER ADVERSE EFFECTS No Information available.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

WASTE DISPOSAL Disposal should be in accordance with applicable regional, national and local laws and regulations.
CONTAMINATED PACKAGING Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

CHEMICAL NAME CALIFORNIA HAZARDOUS WASTE STATUS

Sodium carbonate
497-19-8 Corrosive

14. TRANSPORT INFORMATION

DOT

Not regulated

PROPER SHIPPING NAME Cleaning Compound, Not Regulated.

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA Complies
DSL/NDSL -
EINECS/ELINCS -
ENCS Complies
IECSC Complies
KECL Complies
PICCS Complies
AICS Complies

LEGEND

TSCA All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.
DSL/NDSL Canadian Domestic Substances List/Non-Domestic Substances List.
EINECS/ELINCS European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances.
ENCS Japan Existing and New Chemical Substances.

IECSC China Inventory of Existing Chemical Substances.
KECL Korean Existing and Evaluated Chemical Substances.
PICCS Philippines Inventory of Chemicals and Chemical Substances.
AICS Australian Inventory of Chemical Substances.

U.S. FEDERAL REGULATIONS

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 313/312 HAZARD CATEGORIES

ACUTE HEALTH HAZARD	Yes
CHRONIC HEALTH HAZARD	No
FIRE HAZARD	No
SUDDEN RELEASE OF PRESSURE HAZARD	No
REACTIVE HAZARD	No

CLEAN WATER ACT

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. STATE REGULATIONS

U.S. STATE RIGHT-TO-KNOW REGULATIONS

CALIFORNIA PROPOSITION 65

This product does not contain any Proposition 65 chemicals.

U.S. STATE RIGHT-TO-KNOW REGULATIONS

U.S. EPA LABEL INFORMATION

EPA PESTICIDE REGISTRATION NUMBER Not Applicable.

16. OTHER INFORMATION

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	PHYSICAL AND CHEMICAL HAZARDS
	2	0	0	-
HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	2	0	0	X

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SAFETY DATA SHEET