



## Safety Data Sheet

AutoGen, Inc.  
84 October Hill Rd.  
Holliston, MA 01746  
774.233.3000

Date revised: 02-22-2024

Emergency Telephone Number: 800.633.8253 (USA & Canada) 801.629.0667 International  
Agent: PERS

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### Section 1 – Product and Company Information

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Product Name: Lysis Solution  
Product Number: PBR2 or ag00210-PBR2

Company: AutoGen, Inc.  
Address: 84 October Hill Rd.  
Holliston, MA 01746  
Phone: 774.233.3000  
Web: [www.autogen.com](http://www.autogen.com)

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### Section 2 – Hazards Identification

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<u>Chemical name</u>	<u>CAS #</u>
Sodium Hydroxide	1310-73-2
N-lauroylsarcosine, sodium salt	137-16-6

Pictogram



Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Serious eye damage (category 1), Corrosive to metals (category 1b), Skin corrosion (category 1B)

Signal Word:

Danger

Hazard Statement:

H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H412 Harmful to aquatic life with long lasting effects



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### Section 3 - Composition/ Information on ingredients

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Component	CAS-NO	Percentages by Weight
Sodium Hydroxide	1310-73-2	<u>1%</u>
N-lauroylsarcosine, sodium salt	137-16-6	<u>1%</u>
Water	7732-18-5	<u>98%</u>

Dangerous Components:

UN Number: 1824

Chemical: Sodium Hydroxide

Class: 8, Corrosive

Hazard Description:

Cause burns to eyes, skin and digestive tract. Breathing mists can irritate the respiratory tract.

NEPA RATING (scale 0-4)

Health	0
Fire	0
Reactivity	0

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### Section 4- First Aid Measures

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GENERAL INFORMATION:

Immediately remove any clothing soiled by the substance. Wash the affected area with copious amounts of water for at least 15 minutes and then soap and water. Speed in removing material from skin is extremely important. Use safety shower. Call a physician to let them know you have been exposed to phenol - a very corrosive and caustic solution.

EYE CONTACT:

Rinse opened eye for at least 15 minutes under running water. Then consult a physician.

SKIN CONTACT:

Immediately wash with water and soap and rinse thoroughly. Cover the irritated skin with an emollient.

Remove contaminated clothing and shoes. Call physician immediately.

INHALATION:

Supply fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call physician immediately.



SWALLOWING:

If conscious, drink water and induce vomiting immediately as directed by medical personnel. Never give an unconscious person anything to ingest.

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**Section 5- Fire Fighting Measures**

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PROTECTIVE EQUIPMENT:

Do not inhale explosion gasses or combustion gasses

SUITABLE EXTINGUISHING AGENTS:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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**Section 6 – Accidental Release Measures**

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PERSON-RELATED SAFETY PRECAUTIONS:

Ensure adequate ventilation.

MEASURES FOR ENVIRONMENTAL PROTECTION:

Do not allow to enter sewers/surface or groundwater.

MEASURES FOR CLEANING/COLLECTING:

Adsorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

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**Section 7 – Handling and Storage**

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HANDLING:

When handling the substance, use protective equipment to avoid contact with eye, skin or clothes. After handling, thoroughly wash hand and face. Keep away from fire.

STORAGE:

Do not store the receptacle at the place with direct sunshine. Keep receptacle tightly sealed.

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**Section 8 – Exposure controls/Personal Protection**

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PERSONAL PROTECTION:

Use chemical safety goggles, protective gloves, protective boots or masks for organic gasses.

COMPONENTS WITH LIMIT VALUES THAT REQUIRING MONITORING AT THE WORK SPACE:

Control the emission of the substance at its source.



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## Section 9 – Physical and Chemical Properties

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### APPEARANCE:

Colorless fluid: Easy foaming

Melting point: Undetermined

Solubility in /Miscibility with water: Fully miscible

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## Section 10 – Stability and Reactivity

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### THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED:

No decomposition under ordinary conditions of use and storage.

### DANGEROUS REACTIONS:

Reacts with acids, alkalis and oxidizing agents.

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## Section 11 – Toxicological Information

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### CAS NO. DESIGNATION OF MATERIALS:

1310-73-2 Sodium hydroxide

Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching. Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Hazardous in case of inhalation (lung irritant). May be hazardous in case of ingestion.

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## Section 12 – Ecological Information

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### HAZARDOUS FOR WATER:

This product can increase the pH.

### TOXICITY TO FISH:

Harmful for water living.

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## Section 13 – Disposal Considerations

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Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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## Section 14 – Transport Information

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Federally regulated

### DOT CLASSIFICATION



Proper Shipping Name: CHEMICALS, N.O.S.  
Hazard Class: 8  
UN Number: 1824  
Packing Group: III

IMO/IMDG CLASSIFICATION:

Proper Shipping Name: CHEMICALS, N.O.S.  
Hazard Class: 8  
UN Number: 1824  
Packing Group: III

TDG CLASSIFICATION

Not available

ICAO/IATA CLASSIFICATION

Proper Shipping Name: CHEMICALS, N.O.S.  
Hazard Class: 8  
UN Number: 1824  
Packing Group: III  
IATA classification: Not restricted.

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## Section 15 – Regulatory Information

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SARA

Section 370 (Hazard categories):  
1310-73-2 Sodium hydroxide

TSCA (Toxic substance control act)

7732-18-5 water, distilled, conductivity or of similar purity

Proposition 65

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemical known to cause reproductive toxicity

None of the ingredients is listed.

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## Section 16 – Other Information

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This bulletin is for your guidance and is based upon information and tests believed to be reliable. Kurabo makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. The data are offered solely for your consideration, investigation, and verification. These suggestions should not be confused with state, municipal, or insurance requirements, or with national safety codes and constitute no warranty. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state, and local regulations.