



SAFETY DATA SHEET

Bulk 3.0% NaOH and NALC – TBNN1010-3.0

Component Ref#	Description
NAOH30	3.0% NaOH Reagent A
TBP300	NALC Powder



SAFETY DATA SHEET

3.0% NaOH Reagent A – NAOH30

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: 3.0% NaOH Reagent A
Catalogue number: NAOH30
CAS No.: 1310-73-2
INDEX No.: Not applicable
REACH No.: Not applicable
Other means of identification: 3.0% Sodium Hydroxide

1.2 Recommended use of the chemical and restrictions on use

Recommended use: In vitro diagnostic
Restrictions on use: Not applicable

1.3 Manufacturer details

Company: IMMY (Immuno-Mycologics, Inc.)
Address: 2701 Corporate Centre Drive
Norman, OK 73069 U.S.A
Telephone Number: +1-405-360-4669
Emergency Telephone Number: +1-800-654-3639
Email: sds@immy.com

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Classes and hazard categories	Hazard Statements
Corrosive to metals; Category 1	H290
Skin Corrosion; Category 1A	H314
Serious Eye Damage; Category 1	H318

2.2 Label Elements

2.2.1 Labeling according to Regulation (EC) No. 1272/2008 [CLP]



Signal word: Danger

Hazard Statements	
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

Precautionary Statements	
P260	Do not breathe dusts or mists.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contained clothing. Rinse with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/physician.
P321	Specific treatment (see section 4)
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local regulations.

2.3 Other Hazards

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS/EC No.	Concentration (%)	Classification according to Regulation (EC) No 1278/2008 [CLP]
Sodium Hydroxide Pellets	CAS: 1310-73-2 EC: 215-185-5	1.00-2.99%	Corr. to met. 1 - H290 Skin Corr 1A - H314 Ser. Eye Dam. 1 - H318 Aquatic 3 - H402



SECTION 4: FIRST AIDE MEASURES

4.1 General Information:

Never give anything by mouth to an unconscious person. Change contaminated clothing.

In case of inhalation:

Remove victim to fresh air and keep comfortable for breathing. If breathing is irregular, immediately call a position center or doctor/physician.

In case of skin contact:

Flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. In case of skin reactions, immediately call a position center or doctor/physician.

In case of eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a position center or doctor/physician.

In case of ingestion:

Rinse mouth. Do NOT induce vomiting. Immediately call a position center or doctor/physician.

Self-protection of the first responder:

Pay attention to self-protection.

4.2 Most Important symptoms and effects, both acute and delayed

May cause severe burns and eye damage.

4.3 Indication of any immediate medical attention and special treatment needed, if necessary

No additional information available

4.4 Notes for the doctor

No additional information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

Foam. Dry Powder. Carbon Dioxide. Water Spray. Sand.

Unsuitable extinguishing media:

Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

No data available.



5.3 Advice for firefighters

Protective equipment:

Do not enter fire area without proper protective equipment, including respiratory protection and chemical protective clothing.

Firefighting Instructions:

Use water spray or fog for cooling exposed containers. Exercise cautions when fighting any chemical fire. Prevent fire-fighting water from entering environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

6.1.1 For non-emergency personnel

Protective Equipment:

Safety Glasses. Gloves. Protective clothing. Head/neck protection. Respiratory protection.

Emergency Procedures:

Evacuate unnecessary personnel. Ventilate area.

6.1.2 For emergency responders

Safety Glasses. Gloves. Protective clothing. Head/neck protection.

6.2 Environmental precautions

Prevent entries to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and materials for containment and cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections.

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, or spray.



7.2 Conditions for safe storage, including any incompatibilities

Technical measures:

Comply with applicable regulations

Storage conditions:

Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

Storage temp: 15-30°C.

Incompatible products and materials:

Strong oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Sulfuric Acid (7664-93-9)		
ACGIH	ACGIH TWA (mg/m ³)	2.000
OSHA	OSHA PEL (TWA) (mg/m ³)	2.000
NIOSH	NIOSH REL (TWA) (mg/m ³)	2.000

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

8.2.2 Individual protection measures/Personal protective equipment

Eye and face protection:

Wear tightly fitting chemical goggles or face shield.

Skin protection:

Wear a chemical resistant apron (according to the concentration and amount of dangerous substance), protective clothing, and gloves

Respiratory protection:

Wear appropriate mask.

Other information:

Do not eat, drink or smoke during use.

8.2.3 Environmental exposure controls

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

(a) Appearance	
Physical state:	Liquid
Color:	Blue
(b) Odor:	None
(c) Odor threshold:	No data available

Safety relevant basic data

(d) pH:	No data available
(e) Melting/Freezing point:	No data available
(f) Initial boiling point and boiling range:	No data available
(g) Flash point:	No data available
(h) Evaporation rate:	No data available
(i) Flammability (solid, gas):	Non-flammable
(j) Upper/lower flammability or explosive limits:	No data available
(k) Vapor pressure:	No data available
(l) Vapor density:	No data available
(m) Relative density:	1.02 g/cm ³ at 20°C
(n) Solubility(ies)	Soluble in water
(o) Partition coefficient: n-octanol/water:	No data available
(p) Auto-ignition temperature:	No data available
(q) Decomposition temperature:	No data available
(r) Viscosity:	No data available
(s) Explosive Properties:	No data available
(t) Oxidising properties:	No data available

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decompositions products

Hazardous decomposition products formed under fire conditions. – Sodium oxides

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute Toxicity:**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Hydroxide (1310-73-2)	No data available	No data available	No data available

Irritant and corrosive effects:

Primary irritation to the skin:

Causes severe skin burns

Irritation to the eyes:

Causes severe eye damage

Irritation to the respiratory tract:

Not classified

Respiratory or skin sensitization:

Not classified

Specific target organ toxicity – single exposure:

Not classified

Specific target organ toxicity – repeated exposure:

Not classified



CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity:

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA

Germ cell mutagenicity

Not classified

Reproductive toxicity

Not classified

Aspiration hazard

Not classified

Other adverse effects

Not classified

Additional information

No additional information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Fish Toxicity:

No data available.

Daphnia toxicity:

No data available.

Algae toxicity:

No data available.

Bacteria toxicity:

No data available.

12.2 Persistence and degradability

No data available.



12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT/vPvB assessment

No data available.

12.6 Other adverse effects

Avoid release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Appropriate disposal/ Product

Dispose in a safe manner in accordance with local/national regulations. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal/ Package

Dispose in a safe manner in accordance with local/national regulations. Handle contaminated packages in the same way as the substance itself.

Additional information

Avoid release into the environment.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN1824

14.2 UN proper shipping name

Sodium hydroxide solution

14.3 Transport hazard class(es)

8 – Class 8 – corrosive material 49 CFR 173.136

14.4 Packing group

III



14.5 Environmental hazards

Avoid release into the environment.

14.6 Special precautions for user

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Text with EEA relevance)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance)
- Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Text with EEA relevance)
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the manufacturer.

SECTION 16: OTHER INFORMATION

16.1 Revision date

01/07/2019

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guidance. The information in this document is based on the present state knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Immuno-Mycologics, Inc. (IMMY) shall not be held liable for any damage resulting from handling.



SAFETY DATA SHEET

NALC Powder – TBP300

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name:	NALC Powder
Catalogue number:	TBP300
CAS No.:	Not applicable
INDEX No.:	Not applicable
REACH No.:	Not applicable
Other means of identification:	Not applicable

1.2 Recommended use of the chemical and restrictions on use

Recommended use:	In vitro diagnostic
Restrictions on use:	Not applicable

1.3 Manufacturer details

Company:	IMMY (Immuno-Mycologics, Inc.)
Address:	2701 Corporate Centre Drive Norman, OK 73069 U.S.A
Telephone Number:	+1-405-360-4669
Emergency Telephone Number:	+1-800-654-3639
Email:	sds@immy.com

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]

This substance is not classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]

2.2 Label Elements

2.2.1 Labeling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the product does not have to be labelled.



2.3 Other Hazards

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients are classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

SECTION 4: FIRST AIDE MEASURES

4.1 General Information:

Never give anything by mouth to an unconscious person. Change contaminated clothing.

In case of inhalation:

Remove victim to fresh air and keep comfortable for breathing. If breathing is irregular, immediately call a position center or doctor/physician.

In case of skin contact:

Flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. In case of skin reactions, immediately call a position center or doctor/physician.

In case of eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a position center or doctor/physician.

In case of ingestion:

Rinse mouth. Do NOT induce vomiting. Immediately call a position center or doctor/physician.

Self-protection of the first responder:

Pay attention to self-protection.

4.2 Most Important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed, if necessary

No additional information available

4.4 Notes for the doctor

No additional information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:

No restriction.

5.2 Special hazards arising from the substance or mixture

No additional data available.

5.3 Advice for firefighters

Protective equipment:

Do not enter fire area without proper protective equipment, including respiratory protection and chemical protective clothing.

Firefighting Instructions:

Use water spray or fog for cooling exposed containers. Exercise cautions when fighting any chemical fire. Prevent fire-fighting water from entering environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

6.1.1 For non-emergency personnel

Not applicable.

6.1.2 For emergency responders

Not applicable.

6.2 Environmental precautions

Prevent entries to sewers and public waters.

6.3 Methods and materials for containment and cleaning up

Spilled product should never be returned to the original container for disposal. Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4 Reference to other sections.

See sections 8 and 13.



SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, or spray.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures:

Comply with applicable regulations

Storage conditions:

Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

Storage temp: 15-30°C.

Incompatible products and materials:

No additional data available.

7.3 Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

8.2.2 Individual protection measures/Personal protective equipment

Eye and face protection:

Wear chemical goggles or face shield.

Skin protection:

Wear protective clothing, and gloves.

Respiratory protection:

None necessary.

Other information:

Do not eat, drink or smoke during use.

8.2.3 Environmental exposure controls

No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

(a) Appearance	
Physical state:	Solid
Color:	White
(b) Odor:	None
(c) Odor threshold:	No data available

Safety relevant basic data

(d) pH:	No data available
(e) Melting/Freezing point:	No data available
(f) Initial boiling point and boiling range:	No data available
(g) Flash point:	No data available
(h) Evaporation rate:	No data available
(i) Flammability (solid, gas):	Non-flammable
(j) Upper/lower flammability or explosive limits:	No data available
(k) Vapor pressure:	No data available
(l) Vapor density:	No data available
(m) Relative density:	No data available
(n) Solubility(ies)	Soluble in water
(o) Partition coefficient: n-octanol/water:	No data available
(p) Auto-ignition temperature:	No data available
(q) Decomposition temperature:	No data available
(r) Viscosity:	No data available
(s) Explosive Properties:	No data available
(t) Oxidising properties:	No data available

9.2 Other Information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Avoid freezing. Avoid heating above 56°C.

10.5 Incompatible materials

No data available.

10.6 Hazardous decompositions products

No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:

No data available.

Irritant and corrosive effects:

Primary irritation to the skin:

No data available.

Irritation to the eyes:

No data available.

Irritation to the respiratory tract:

No data available.

Respiratory or skin sensitization:

No data available.

Specific target organ toxicity – single exposure:

No data available.



Specific target organ toxicity – repeated exposure:

No data available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity:

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA

Germ cell mutagenicity

No data available.

Reproductive toxicity

No data available.

Aspiration hazard

No data available.

Other adverse effects

No data available.

Additional information

No additional information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Fish toxicity:

No data available.

Daphnia toxicity:

No data available.

Algae toxicity:

No data available.

Bacteria toxicity:

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT/vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Appropriate disposal/ Product

Dispose in a safe manner in accordance with local/national regulations. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal/ Package

Dispose in a safe manner in accordance with local/national regulations. Handle contaminated packages in the same way as the substance itself.

Additional information

No data available.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Text with EEA relevance)
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- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2 US State regulations

No data available.

15.3 International regulations

No data available.



SECTION 16: OTHER INFORMATION

16.1 Revision date

01/10/2019

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guidance. The information in this document is based on the present state knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Immuno-Mycologics, Inc. (IMMY) shall not be held liable for any damage resulting from handling.