



安全資料表

危害物料資料

1. 產品與用途							
1.1 物料名稱	Alkaline Additive (增鹼劑) (Sodium Hydroxide)						
1.2 用途	增鹼劑						
2. 危害成份							
2.1 危害分類及標籤							
	有害	有毒	腐蝕性	易燃	刺激性	爆炸性	助燃
	()	()	(✓)	()	()	()	()
2.2 酸鹼值(pH)	無資料			2.3 曝露限制(OEL)	無資料		
2.4 致癌物質	無資料			2.5 其他危害	刺激性		
2.5 潛在危害	引致灼傷						
	刺激眼睛，皮膚及呼吸道						
	吞食後會對人體有害						
3. 火警和爆炸資料							
3.1 燃燒物成份比例	無資料	3.2 沸點	無資料	3.3 溶點	無資料		
3.4 閃點()	無資料	3.5 比重	無資料	3.6 氣壓力	無資料		
3.7 爆炸極限(濃度)	無資料	3.8 溶解度	無資料	3.9 氣味	無資料		
3.10 滅火設備	不適用						
4. 急救處理							
4.1 眼睛接觸	用大量清水沖洗,並尋求醫療護理。						
4.2 皮膚接觸	用大量清水或肥皂沖洗,如持續有刺激感覺,請尋求醫療護理。						
4.3 吸入	把傷者移到空氣流通的地方,並召醫生急救。						
4.4 食入	喝下清水並盡早求醫,不要強行嘔吐出來,請尋求醫療護理。						
5. 個人防護裝備							
<input checked="" type="checkbox"/> 橡膠手套		<input checked="" type="checkbox"/> 護眼罩			<input checked="" type="checkbox"/> 口罩		
6. 處理及使用應知事項							
6.1 儲存注意事項:	• 應存於密封器材內						
6.2 意外洩漏處理的方法:	用毛巾或沙圍起洩漏範圍及吸起,將吸滿液體之毛巾或沙收集並存放在膠袋內妥善處理						
7. 其他資料							
<ul style="list-style-type: none"> - 嚴禁飲食或吸煙 - 所有受污衣物立即脫掉 							

MATERIAL SAFETY DATA SHEET

SECTION 1 Chemical Product and Company Identification

Commercial Name	Neutro-N A345
Application	Alkaline Additive
Manufacturer	Joneson Environmental Technologies Ltd.
Address	Flat A, 8/F., Chai Wan Industrial Centre, 20 Lee Chung Street, Chaiwan, Hong Kong
Telephone Number	852- 2889 8220
Facsimile Number	852- 2889 3646
E-mail	jet@fsenv.com.hk

SECTION 2 Composition Information on Ingredients

Chemical Name	CAS Number	Concentration
Sodium Hydroxide	1310-73-2	25-50 %

Concentration ranges is provided to assist users in providing appropriate protections.

SECTION 3 Hazards Identification

Classes	Corrosive to metals cat 1 Skin corrosion / irritation cat 1 Serious eye damages / eye irritation cat 1
Hazard Statements	May be corrosive to metals Causes severe skin burns and eye damage

Precautionary Statement

Prevention	Keep only in original packaging. Do not breathe mist or vapour. Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection.
Response	Absorb spillage to prevent material-damage. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment (see information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	Store locked up. Store in a corrosion resistant container with a resistant inner liner.
Disposal	Dispose of container in accordance with local, regional, national and international regulations.

SECTION 4

First Aid Measures

Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
Skin Contact:	Take off immediately all contaminated clothing. Rinse skin with water. Immediately call doctor.
Ingestion:	Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.
Inhalation:	Rinse mouth. Do NOT induce vomiting. Immediately call doctor.

SECTION 5

Fire-fighting Measures

Fire and Explosion Hazards	Non-combustible
Suitable Extinguishing Substances	Water spray, dry extinguishing powder, carbon dioxide. No not use water jet as an extinguisher, as this will spread the fire.
Product of Combustion	None.

SECTION 6

Accidental Release Measures

Personal Precautions

Keep unnecessary personnel away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Emergency Procedures

Stop leak if you can do so without risk. Should not be released into the environment. Prevent entry into waterways, sewer, basements or confined areas.

Clean-up Method

Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

SECTION 7

Storage & Handling

Handling

Use only with adequate ventilation. Do not breathe mist or vapour. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. Keep container tightly closed. When using do not eat or drink.

Storage

Store locked up. Store in a cool, dry place out of direct sunlight. Store in a corrosion resistant container with a resistant inner liner. Store in a closed container away from incompatible materials. Keep out of reach of children.

SECTION 8

**Exposure
Controls /
Personal
Protection**

Control Parameters

Ingredient	ACGIH TLV
Sodium hydroxide	Ceiling: 2mg/m ³

Legend

ACGIH – American Conference of Government Industrial Hygienists

Engineering Controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

Personal Protective Equipment

General	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.
Eye Protection	Wear safety glasses with side shields (or goggles) and a face shield.
Skin Protection	Rubber gloves. Wear appropriate chemical resistant clothing.
Respiratory Protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

SECTION 9

**Physical and
Chemical
Properties**

Appearance	Clear to slightly turbid liquid
Odour	Odourless
pH	14 (5% Aqueous solution)
Melting point	12°C (53.6°F)
Boiling point	140°C (284°F)
Flash point	Not available
Upper/lower flammability limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Specific Gravity /Density	1.53 / 2.13g/cm ³
Solubility	Complete
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	78.3cP @20°C

SECTION 10

**Stability &
Reactivity**

Reactivity	May be corrosive to metals. Reacts violently with acids. This product may react with strong oxidizing agents.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong acids. Acids. Strong oxidizing agents. Oxidizing agents. Metals.

MATERIAL SAFETY DATA SHEET

Hazardous decomposition products	None know.
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SECTION 11 Possible Routes of Exposure

Toxicological Information Skin, Eye, Inhalation

Health Effects/Symptoms

If ON SKIN:	Causes severe skin burns.
If IN EYES:	Causes serious eye damage.
If INHALED:	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
If SWALLOWED:	Causes digestive tract burns. May cause stomach distress, nausea or vomiting.

Acute Toxicity

Chemical Name	LD50 and LC50
Sodium Hydroxide	Oral LD50 (Rabbit) = 325mg/kg Dermal LD50: Not available Inhalation LD50: Note available

Carcinogenicity

Non-hazardous by WHMIS criteria

SECTION 12 Ecotoxicity

Ecological Information

Chemical Name	Fish	Aquatic Invertebrates	Aquatic Plant
Sodium Hydroxide	LC50: 125mg/L (96h, Gambusia affinis)	EC50: 34.59~47.13mg/L (48h, Ceriodaphnia dubia)	-

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility in Soil

No data available

SECTION 13 Waste from Residuals

Disposal Consideration

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner

Contaminated Packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

MATERIAL SAFETY DATA SHEET

SECTION 14 Transport Information	UN Number	UN1824
	Proper Shipping Name	Sodium Hydroxide Solution
	Transport Hazard Class	8
	Packing Group	II
	Environmental Hazards	Not Applicable
	Special Precautions for User	Not Applicable

SECTION 15 Regulatory Information	Safety; Health and Environmental Regulations	
	Guidance Notes	Not Applicable
	International Regulations	Classified in accordance with the hazard criteria of various countries regulations

SECTION 16 Other information	Prepared by:	Joneson Environmental Technologies Ltd. - Technical Department
	Date Issued:	20-Feb-2025
	Reason for issue:	Update the format
	Disclaimer:	This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with the product literature. The information in the Material Safety Data Sheet was obtained either from sources which we believe are reliable, or based on the present state of our knowledge and is intended to describe our products from the point of view of technical know now. However, the information is provided without any warranty, express or implied, regarding its correctness.