SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier · ProCaus

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
Application of the substance / the mixture Industrial cleaner

1.3 Details of the supplier of the safety data sheet

Manufactured and Supplied by:
Agrid Scientific Company,
77/9, Perambur High Road, Jamaliya
Perambur, Chennai, India - 600012

For Further information:
Please contact +91 98848 37795 or write to us at info@agrid.in

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Met. Corr.1	H290	May be corrosive to metals.
Skin Corr. 1B	H314	Causes severe skin burns and eye damage.

Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage. ·

Precautionary statements

P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303,P361,P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
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 or doctor/physician.

SECTION 3: Composition/Information on Ingredients

S. No	Chemical Name	CAS #	Percent	Hazard
1	Sodium Hydroxide	1310-73-2	10-15%	Corrosive
2	Sodium Toluene Sulfonate	657-84-1	5-10%%	None
3	Non-ionic Surfactant	78330-20-8	<5%	None
4	Water	7732-18-5	Balance	None

**Ranges are provided as the exact composition is a trade secret*

SECTION 4: First Aid Measures

General information:
Wash contaminated clothing before reuse. Immediately remove any clothing soiled by the product.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper lids occasionally get medical attention immediately.

Skin: Remove contaminated clothing and shoes, flush skin with plenty of water for at least 15 minutes, and get medical attention immediately.

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration, if breathing is difficult, give oxygen and get medical attention immediately

Ingestion: Do not induce vomiting, give large quantities of water or milk if available; never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention immediately.

Most important symptoms and effects, both acute and delayed
Corrosive effects. Can cause permanent eye damage.

SECTION 5: Fire Fighting Measures

Flash Point	Not Flammable.
Flash Point method	Not applicable
Auto-ignition Temperature	Not applicable.
LEL	Not applicable.
UEL	Not applicable.
Flammable classifn	Not Flammable
Extinguishing Media	It is not combustible. Use Water, Foam, Fire-extinguishing powder, Carbon dioxide to extinguish fire.
Unusual fire or explosion	Non-combustible
Hazardous combustion	No direct combustion, however, during heating or in case of fire poisonous gases are produced.
Fire Fighting Instructions	Water spray may be used to keep fire exposed containers cool, Ensure that water doesn't enter inside the containers.
Protective equipment:	Wear fully protective suit. Wear self-contained respiratory protective device.

SECTION 6: Accidental Release Measures	
Small spill	Shut off leaks without risk, dilute with acid and drench with water.
Containment	Prevent spillage from entering drains or water sources
Clean Up	Dilute with acid and wash with water.

Methods and material for containment and cleaning up:

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

Use neutralising agent. Dispose contaminated material as waste. Ensure adequate ventilation.

Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Send for recovery or disposal in suitable receptacles

SECTION 7: Handling and Storage	
Handling Precautions:	Protect from physical damage. When diluting always pour product into water and not vice versa
Storage Requirements:	Store in a cool dry ventilated storage area with acid resistance floors. Keep away from heat, water and incompatible materials.
Engineering Controls:	Provide proper ventilation so as to maintain environment below air borne exposure limit.
Respiratory Protection:	If exposure limit is exceeded, use respiratory protection.
Protective Clothing/ Equipment :	Use full PVC Suit, PVC hand gloves and safety shoes.
Specific end use:	Industrial cleaner for professional use only

SECTION 8: Exposure controls and personal protection

Ingredients with limit values that require monitoring at the workplace:

CAS: 1310-73-2 Sodium Hydroxide WES Peak limitation: 2 mg/m³

Exposure controls

Personal protective equipment:

Respiratory Protection: 

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Eye protection:

Face protection 

Tightly sealed goggles 

Protection of hands: 

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation ·

Material of gloves: Chloroprene rubber, Natural rubber

SECTION 9: Physical and Chemical Properties	
Physical State:	Liquid
Appearance & Odour:	Colourless and Characteristic sharp Odour
Vapour Pressure:	Undetermined
pH:	13-14
Specific Gravity	1.38-1.42
Water Solubility	Completely miscible
Freezing Point	Undetermined
Boiling Point	>100 ° C
Water Solubility:	Fully Miscible

SECTION 10: Stability and Reactivity	
Stability:	Stable under ordinary condition
Chemical incompatibilities:	Corrosive to metals. Evolves heat and hydrogen. Reacts with acids. Forms heat.
Condition to Avoid:	Do not store together with acids. Store away from metals
Hazardous Decomposition:	Poisonous gases/vapours

SECTION 11: Ecological Information	
Ecotoxicity:	No information available.
Environmental:	No information reported.
Physical:	No information available
Persistence and degradability:	The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are biodegradable.
Other:	None.

SECTION 12: TOXICOLOGICAL INFORMATION	
Acute toxicity	
CAS: 1310-73-2 Sodium Hydroxide:	Oral LD50 2,000 mg/kg (rat) LDLo 500 mg/kg (rabbit) (LDLo)
Skin corrosion/irritation	Strong caustic effect on skin and mucous membranes.
Serious eye damage/irritation	Risk of serious damage to eyes. Strong caustic effect. Irritating effect
Causes severe burns.	The product shows the following dangers according to the calculation method of the General EU
Classification Guidelines for Preparations as issued in the latest version:	
Corrosive	Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

SECTION 13: DISPOSAL CONSIDERATIONS	
Waste treatment methods	
Recommendation	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned packaging:	
Recommendation:	Rinse cautiously with water for several minutes. Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Recommended cleansing agents:	
Water, if necessary together with cleansing agents.	

SECTION 14: TRANSPORT INFORMATION	
Shipping name	ProCaus
Hazard class	8
UN Number	UN1824 Sodium Hydroxide Solution

SECTION 15: REGULATORY INFORMATION
Corrosive Material

SECTION 16: OTHER INFORMATION	
Prepared by:	M/s Agrid Scientific Company, Chennai.

Disclaimer:	Disclaimer Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.