



SAFETY DATA SHEET

1/6

Product Name: Alkasol 400 (Alkali Buffer)

Issue Date : 20.10.2025

ALKASOL 400 (Alkali Buffer)

1. PRODUCT / PREPARATION & COMPANY INFORMATION :

Product / Preparation Introduction

Application : Alkali donor for reactive dyeing improved for Textile Industry. More detailed information is available in technical data sheet.

Company Information

Company RO CHEM RESOURCES SDN BHD
No. 7711 (1ST Floor), Jalan Teluk Batu 1, Batu 4,
Off Jalan Kebun, Seksyen 36, 40460 Shah Alam
Selangor, Kuala Lumpur, Malaysia.

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	Chemical Name	Weight Percent
497-19-8	Alkali Buffer	90-100

3. HAZARD IDENTIFICATION

Hazard Symbols & Risk Phrases



H319 Causes serious eye irritation.

Effects of Human Health

Causes burns. Irritating to respiratory system

Effects on Environment

Do not discharge to natural water before refining

process. Fire Hazard

The chemical does not cause fire by itself.

4. EMERGENCY & FIRST AID MEASURES

If Inhaled

Don't apply first aid orally. Apply first aid with the help of one-sided valve mask and another specific respiratory tract.

On Skin

Contact Rinse by flowing water for at least 20 minutes

immediately. On Eye Contact Rinse by flowing water for at least 20 minutes immediately.



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If swallowed	Don't apply first aid verbally. Apply first aid with the help of one-sided valve mask and other specific respiratory tract. If any symptom caused by the material is observed, obtain for the medical assistance.
Note For Doctor	Be sure that they have information about the material in order to protect their selves and to take preventive measures.

5. FIRE-FIGHTING MEASURES

Flash Point Not Determined.

Suitable Extinguishing Media Dry chemicals, alcohol resist foam, carbondioxide, water spray.

Particular Intervention should Methods for fire for	Sensitive to static electricity discharge. Containers be removed from fire area. Cave the water which is used extinguishing fire. Do not spread material. The person, who will interfere in the fire should wear a protective cloth, which is designed to protect all body, MSHA/NIOSH approved (or equivalent), which has own respiratory apparatus.
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Which should not be use	Use specified fire extinguishers.
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Effects of fire on chemical	Unfairly material. But if it's heated, it might decompose and corrosive and/or toxic fume is appeared. Keep away from all inflammable items. Some of them might be oxidizing so it may fire the inflammable items (wood, paper, oil, textile, etc..). Contact with metals may cause hydrogen gas appearance. If it's covers heat, it can explode. Do not touch the contaminated packages and leakage materials without taking preventive measures. (Part 8 and 15)
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ALKASOL 400 (Alkali Buffer)**6. PRECAUTIONS AFTER ACCIDENTAL SPILLAGE/LEAKAGE:**

Personal precautions	The person, who will interfere in the fire should use suitable equipments for skin, eye and inhalation protection (part 8 and part 15).
Environmental precautions	Annihilate all inflammable items (smoke, spark or flame). If no risk exists, stop the leakage. Avoid the water leakages. into drums. Avoid material to penetrate water canals, drainages, cellars or closed areas.
Methods for Cleaning up	Dig the hole in order to annihilate the water which is used in extinguishing the fire. Do not spread the material. Remove the contaminated material according to Part 13

7. HANDLING & STORAGE

Handling	Avoid direct contact with skin and eyes. Do not swallow. Ensure ventilating of working area and absorbing air. Do not inhale. Do not pour the water into the material directly.
Storage	Keep container tightly closed and should store cool area. Keep away from heat. Acid, reactive metals and ammonium salts should be kept away from the material. It can be moisten. Should be kept in original package in order to avoid being petrified.
Particular Usage	More detailed information is available in technical data sheet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Use breath filter tool when negatively affected, and breath keeper under long-run effected situations.
Working Clothes	Wear suitable protective clothes and rubber boot. The lower part of the trouser leg should be held above the boots.



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Eye protection	Wear full face mask or suitable safety glasses that enable full protection. (EN 166)
Respiration protection	Use full face mask or semi-face mask.(EN 140 /
EN 450) Hand protection	Wear suitable long-lasting for chemicals gloves.
(EN 374)	For example. nit rile rubber (0.4mm),chloroprene rubber (0.5 mm), polyvinylchloride (0.7mm) and others.
Personal protection	Keep away from foods and drinks. Wash your hands before the break-times and at the end of the working days. Take off your clothes that are soiled or contaminated by chemical immediately.

9. PHYSICAL & CHEMICAL PROPERTIES

Apperance and physical situation	White granular
powder Color	Granule
Smell	Genuine
Melting point/range [°C]	NotDetermined
Boiling point/range [°C]	NotDetermined
Vapour pressure	NotDetermined
Conductivity(Ms/cm)	75 - 85
Density (g/ml)	1,2
Solubility	Soluble with water in every ratio 92/69/EEC(O.J.L383A)
Viscosity -	
<i>pH value (20%)</i>	<i>11 ±</i>
Flash point [°C]	Not Determined
Explosion limits - lower [%]	Not Determined
Explosion limits - upper [%]	Not Determined

10. STABILITY & REACTIVITY

Decomposition Products	The product is stable when it is used or storage as the instruction.
Hazardous reactions	The product is stable when it is used or storage as the instruction.



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Conditions and Materials to Avoid Keep away from sulfuric acid, strong bases, furfural alcohol, hydrogen peroxide, strong oxidizing agents. Keep away from heat, fire, and inflammable items.

11. TOXICOLOGICAL INFORMATION

According to the current knowledge in hand, and tests which were applied to similar chemicals into consideration;

Oral LD50>1000 mg/kg (oral rat)

The possible effects on human health have been mentioned in Part 2,3 and 15.

12. ECOLOGICAL INFORMATION

Do not provide any contribution to COD mg/L 41888 values in the wastewater. LC50 Value as > 100 mg / lit

General Cautions:

Avoid reach to ground water, lingering & running water and drainage. Do not discharge to natural water before refining process.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local/national regulations. If legal arrangements are not present, remove the material according to applications in European Union.

Contaminated Package: If package isn't contaminate; can be used again. The package which cannot be cleaned; should be removed with their content in the same way.

14. TRANSPORT INFORMATION

General Information In accordance with transport regulations; (ADR RID ADNR, IMDG/ GGV See ICAO/IATA)

Class 8, P.G III
3262, CORROSIVE SOLID, BASIC , INORGANIC, N.O.



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15. REGULATORY INFORMATION

Directive 67/548/EC and 1999/45/EC ('Preparation Instruction'):
Directive 67/548/EC and 1999/45/EC(Directive of Preparation):
Regarding Hazardous Material Directive (11/7/1993 Official
Gazette).

Symbol(s) C(corrosive),

R Phrases R34:Causes burns.
R37: Irritating to respiratory system

S Phrases S36/37/39:Wear suitable protective clothing,
gloves and eye/face protection during work
period.
S45 In case of accident or if you feel unwell, seek medical
advice immediately. (Show the label where possible.).

16. OTHER INFORMATIONS

The risk conditions and safe consumption precautions are examined in 2nd, 3rd and 15th parts of MSDS. The amendments and additions in the new revision are made by using italic letters.

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication,

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