Coral Clinical Systems
A Division of Tulip Diagnostics (P) Ltd.
Verna, Goa – 403 722, INDIA

Safety Data Sheet

1. INFORMATION ON THE SUBSTANCE / PREPARATION AND COMPANY

1.1 Product Name : Concentrated Cleanser (Probe Cleaner for Haematology Analyzer)

Kit	Catalog No.	Components
Concentrated Cleanser (Probe Cleaner for Haematology Analyzer)	1109050075, 1109050275, 1109050250	Concentrated Cleanser

1.2 Intended Use : Used for cleaning & washing tubing system, removing blood residual & other particles to ensure blood cell counting.

1.3 Company : **Coral Clinical Systems**
(A Division of Tulip Diagnostics (Pvt) Ltd.)
Plot No. M-46 & M-47, Building E,
Phase III B, Verna Industrial Estate,
Verna-Goa, 403722
Tel :- +91-832-6680121
Fax :- +91-832-2887028
E-mail :- coral@tulipgroup.com

1.4 In emergencies : Call your local emergency center.

2. Composition / Information on Hazardous Ingredients

Chemical Name	CAS #	% W/V	Exposure Limits in Air				
			ACGIH		OSHA		OTHER
			TLV	STEL	PEL	STEL	
Reagent 1:							
Sodium Hydroxide	1310-73-2	2.5%	NA	NA	NA	NA	NA
Sodium Hypochlorite	7681-52-9	2.5%	NA	NA	NA	NA	NA

3.Hazard Identification

According to 1999/45/EC, the preparation is classified as hazardous substance or mixture.
Skin Irritation,category 2; H315
Eye Irritation,Category 2;H319
Skin Corrosion,Category 1A;H314
May cause damage to organs through prolonged or repeated exposure,Category 2; H373
Toxic to aquatic life,Category 2;H401

Pictograms:



Other Information
The reagents do not contain materials from animal origin. Data provided is for the neat concentration.

4.First Aid Measures

Inhalation:
Remove exposed individual to fresh air. If irritation or signs of toxicity occur, seek medical advice immediately.

Ingestion:
Call physician for medical attention if the product is taken internally. Do not attempt to induce vomiting, or to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious.

Skin Contact:
Wash the skin area with soap and water. Rinse with copious amount of water.

Eye Contact:
Wash immediately with clean and flowing water. Continue for at least 15 minutes. Obtain medical advice if pain or irritation occurs.

5.Fire Fighting Measures

Flash Point (Method used): NA **Flammable Limits – LEL:** NA **UEL:** NA

Extinguishing Media:
Use fire-extinguishing media appropriate for site conditions.

Special Fire Procedures:
Do not allow cyanide solutions to drain into sewers or drains.

Unusual Fire and Explosion Hazards:
NA.

6.Accidental Release Measures

Steps to be taken in case material is Released or Spilled:
PPE should be level D: lab gloves, chemical resistant apron, boots and splash goggles. Use an absorbent material to contain / pick up the spilled solution. Place all spill residue into a suitable container, seal, label and hold for disposal.

Clean-up Methods
Wipe up spill and place in containers suitable for disposal.

Environmental Precautions
For large spills, take precautions to prevent entry into waterways, sewers, or surface waters.

7.Handling and Storage

Safe Handling
Avoid contact with eyes. Use good laboratory procedures.

Recommended Storage Conditions
Keep in the original packaging at the labeled temperature.

Protection against Explosion And Fires
No special measures required. Refer to the product label for additional information on storage conditions.

8.Exposure Controls and Personal Protection

Ventilation Data:
A system of local and / or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

Respiratory Protection:
Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow OSHA respirator regulations (29CFR1910.134) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide worker protection for given working conditions, level of airborne concentration, and presence of sufficient oxygen.

Protective Gloves:
Wear appropriate protective gloves to prevent skin contact.

Other Protective Equipment:
Wear appropriate eye protection to prevent eye contact. Wear appropriate body protection to prevent skin contact.

Other Engineering Controls:
Eye wash stations and deluge showers.

Work Practices:
Good laboratory technique should be used when handling this product. Observe appropriate chemical hygiene. Avoid contact with eyes or skin. Do not place in mouth.

Hygienic Practices:
Do not eat, drink, or smoke while working with product. Upon completion of work activities involving this product, wash hands thoroughly with soap and water.

9.Physical And Chemical Properties

Concentrated Cleanser

Relative Vapour density(air = 1)	:	NA	Evaporation rate(nBuAc = 1)	:	NA
Specific Gravity (water = 1)	:	NA	Freezing / Melting Point:	:	NA
Solubility in Water	:	Soluble	Boiling Point	:	NA
Vapour Pressure, mm Hg @ 20^0C	:	NA	pH	:	>12

Odour and Appearance Information
Reagent 1: Clear,Colourless to pale yellow solution.

10.Stability and Reactivity

Incompatibility (Materials to Avoid):
Incompatible with acids, bases and strong oxidizers.

Hazardous Decomposition Products:
No dangerous decomposition products known.

Will Hazardous Polymerization Occur?
Hazardous polymerization will not occur.

Conditions to Avoid / Polymerization:NA.

Is the Product Stable?
Yes, under normal handling and storage conditions.

Conditions to Avoid/stability
Stable Solution. Avoid acidification of solution, which may generate hydrogen cyanide gas.

11.Toxicological Information

Toxicity Data:
NA.

Reproductive effects:
NA.

Target organ Effects:
Eyes, Skin, central nervous systems(nausea/vomiting), cardiovascular systems (increase in heart rate), digestive system (nausea/vomiting).

Carcinogenicity: No

CHEMICAL NAME	CAS #	% W/V	NTP Carcinogen		IARC	OSHA
			Known	Anticipated		
NA.	NA.	NA.	NA.	NA.	NA.	NA.

12.Ecological Information

Environmental Fate / Stability: NA

Effect of Material on plants or animals: NA

Effect of Chemical on Aquatic Life: NA

13.Disposal Considerations

EPA Waste Number and Proper Waste Disposal Method:
Do not flush potassium cyanide into drains or sewers. Please consult local, state and federal regulations for additional guidance on disposal.

14.Transportation Information

Is this Material Hazardous? Not regulated under transportation regulations.

Proper Shipping Name : Concentrated Cleanser Hazard Class Number : Class 8 Packing Group: II UN Number: UN1824, 8, II

15.Regulatory Information : NA.

16.Other Information

Hazard Statement and Precautionary statements referred elsewhere in the safety data sheet:
H315 - Causes skin irritation.
H319-Causes serious eye irritation.
H314-Causes severe skin burns and eye damage.
H373-May cause damage to organs through prolonged or repeated exposure
H401-Toxic to aquatic life

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication.
The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. It remains the user's own responsibility to make sure that the information is appropriate and complete for his specific use of this product. The user is also responsible for observing any laws and applicable guidelines.

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