

SAFETY DATA SHEET (SDS)

Cydal+ Alcohol Free Disinfectant

NUR JAYA MEDIC SDN. BHD.

No. 2 & 2A, Lorong Industri Ringan Permatang Tinggi 12, Taman Industri Ringan Permatang Tinggi, 14100 Simpang Ampat, Pulau Pinang, Malaysia.

SECTION I: PRODUCT IDENTIFICATION

PRODUCT

Product Trade Name : Cydal+ Alcohol Free Disinfectant
Product Form : Mixture
Type of Product : Biocide
Industrial/Professional use spec : For professional use only
Use of the substance/mixture : Disinfectant wipes of non-invasive medical devices
Emergency Telephone Numb :
BOMBA HOTLINE: 999 BOMBA TOLLFREE: 1800 888 994

SECTION II: HAZARD IDENTIFICATION

Not classified as dangerous for supply/use.

Label elements

Hazard pictograms : None
Signal word : None
Hazard statements : None
Precautionary statements : None

SECTION III: COMPOSITION/INFORMATIONS ON INGREDIENTS

LIST OF COMPONENT – MIXTURE

CAS No	Ingredient Name	Weight %
67-63-0	Ethanol	<1%
68439-45-2	Alcohol Ethoxylate	0.5-2%
7173-51-5	Didecyldimethylammonium chloride	0.5-2%
27083-27-8	Polyhexamethylene biguanide hydrochloride	0.5-1%
63449-41-2	Alkyldimethyl benzylammonium chloride	0.5-1%

The actual concentration of the components listed above is withheld as a trade secret.

SECTION IV: FIRST AID MEASURES

Potential Health Effects:

Eyes Causes severe eye irritation. May cause painful sensitization to light.
May cause chemical conjunctivitis and corneal damage

Skin May causes skin irritation

Ingestion May cause gastrointestinal irritation with nausea, vomiting and diarrhoea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness and nausea. Advanced stages may cause collapse, unconsciousness, coma

and possible death due to respiratory failure.

Inhalation Inhalation of high concentration may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Cause respiratory tract irritation. May cause narcotic effects in high concentration. Vapours may causes dizziness or suffocation

First Aid Measures:

Eyes Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medicinal aid. Gently lift eyelids and flush continuously with water.

Skin Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes, Wash clothing before reuse, Flush skin with plenty of soap and water.

Ingestion Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

Notes to Physician Treat symptomatically and supportively. Person with skin or eyes disorder or liver, kidney, chronic respiratory diseases, or central and peripheral nervous system disease may be at increased risk from exposure to this substance

SECTION V: FIRE FIGHTING MEASURES

Suitable extinguishing media : As appropriate for surrounding fire
Unsuitable extinguishing media : **None**
Hazardous decomposition product
In case of fire : Toxic fume maybe released
Precautionary measures fire : No special measures required
Firefighting instruction : Evacuate area
Protection during firefighting : Do not attempt to rake action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.
Environmental Precautions	Do not release large quantities into the surface water or into drains
Methods and material for containment and cleaning up	Sweep up spilled substance and remove to safe place

SECTION VII: HANDLING AND STORAGE

Precaution for safe handling	Ensure good ventilation of the work station. Do not eat, drink or smoke when using this product.
Condition for safe storage, including any incompatibilities	Ensure adequate ventilation, especially in confined areas.
Storage Condition	Store in well-ventilated place. Keep cool
Incompatible products	Oxidizing agent. Strong acids. Strong bases
Incompatible materials	Heat sources. Direct sunlight

SECTION VIII: PERSONAL PROTECTION

Appropriate engineering control	Ensure good ventilation of the work station.
Materials for protective clothing	Wear suitable working clothes
Hand Protection	Not normally required
Eye Protection	Where splashing of wipe solution is possible, wear eye protection
Skin and body protection	Wear suitable working clothes
Respiratory Protection	Normally no personal respiratory protection is necessary
Environmental exposure control	Do not release large quantities into the surface water or into drains

SECTION IX: PHYSICAL/CHEMICAL CHARACTERISTICS

Physical State	: Impregnated wipes/ colourless solution
Colour	: Colourless to slightly pale yellow liquid
Odor	: Characteristic
Boiling Point	: = 100°C
Vapour Pressure (mmHg)	: No data available
Vapour Density	: No data available
Specific Gravity	: 0.95-1.02
Melting Point	: No data available
Solubility in Water	: Soluble in water

SECTION X: STABILITY & REACTIVITY DATA

Reactivity	: None anticipated
Chemical Stability	: Stable under normal conditions
Possibility of hazardous reactions	: Possibility of hazardous reactions
Condition to avoid	: Conditions to avoid
Incompatible materials	: Strong acids. Oxidizing agent. Anionic surfactants
Hazardous decomposition products	: None known

SECTION XI: TOXICOLOGICAL INFORMATION

Potential Health Effects

Acute toxicity: : Not classified (Based on the available data, the classification are not met)

Alcohol Ethoxylate

LD50 oral rat	300-2000
LD50 dermal rat	≥2000

Propan-2-ol

LD50 oral rat	5840 mg/kg
LD50 dermal rabbit	16400 mg/kg
LC50 Inhalation rat (mg/l)	>10000 mg/l/4h

Skin corrosion/ Irritation	5840 mg/kg
Serious eye damage/irritation	16400 mg/kg
Respiratory or skin sensitization	>10000 mg/l/4h
Germ cell mutagenicity	Non-Irritant
Carcinogenicity	Non-Irritant
Reproductive toxicity	Not-classified
Specific target organ toxicity (Single exposure)	Not-classified
Specific target organ toxicity (repeated exposure)	Not-classified
Aspiration Hazard	Not-classified

SECTION XII: ECOLOGICAL INFORMATION

Toxicity-Aquatic Invertebrates	Not classified
Toxicity-Fish	Low toxicity to fish
Toxicity-Algae	Low toxicity to algae
Toxicity-Sediment Compartment	This substance has low mobility in sediment
Toxicity- Terrestrial Compartment	Low toxicity under normal condition of handling and use

SECTION XIII: DISPOSAL CONSIDERATION

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Packaging is recyclable. Wash out containers with water before disposal.

Product	Do not flush to sanitary sewer.
Contaminated packaging	Dispose of in accordance with local, state, and federal regulations.
Hazardous waste	The classification of the product meets the criteria for hazardous waste

SECTION XIV: INTERNATIONAL TRANSPORT INFORMATION

Not classified as dangerous for transport

SECTION XV: OTHER INFORMATION

Safety Data Sheet dated: 24 March 2022 - version 00. The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet does not constitute a product warranty or specification. It is the responsibility of the recipient of the product to ensure that applicable law is observed in the use of the product.