



HD-1820-WB
HARDEX ALL PURPOSE INSTANT HYGIENE
SANITIZER WATER-BASED-20L

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Hardex All Purpose Instant Hygiene Sanitizer
Water-Based-20L

Manufacturer's Product Code: HD-1820-WB

Use(s): All purpose sanitizing use

Manufacturer/Supplier: Hardex Corporation Sdn. Bhd.

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SECTION II: HAZARD IDENTIFICATION

Classification of the Hazardous Chemical: Serious eye damage/eye irritation Category 2



Label Element:

Signal Word: Warning

Hazard Statement: H319 Causes serious eye irritation

Precautionary Statement Prevention: P264 Wash hands thoroughly after handling.
P280 Wear eye protection/face protection.

Precautionary Statement Response: P305 + P351 + P338 IF IN EYES: Rinse
cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.
Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

Precautionary Statement Storage: No precautionary statement.

Precautionary Statement Disposal: No precautionary statement.

SECTION III: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration (%)	Classification
Water	7732-18-5	>60	Not Classified
Isopropyl Alcohol	67-63-0	10 to <30	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3
Propylene Glycol	57-55-6	<1	Eye Irrit. 2
Benzalkonium Chloride	8001-54-5	<1	Acute Tox. 4 (Oral) Acute Tox. 4 (Dermal) Acute Tox. 4 (Inh.) Skin Corr. 1 Eye Dam.1 Aquatic Acute 1 Aquatic Chronic 1
Additive	Confidential	<1	Not Classified

SECTION IV: FIRST AID MEASURES

- General Advice** : Move victim from the contaminated workplace to ventilated place. Call the hospital for medical assistance and provide emergency treatment.
- If inhaled** : If inhaled, remove to fresh air. Get medical attention if symptoms occur.
- In Case of Skin Contact** : Wash with water and soap as a precaution. Get medical attention if symptoms occur.
- In Case of Eye Contact** : Immediately flush eyes with water for at least 15 minutes. In case of eye irritation, seek medical attention.
- If Swallowed** : DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

- Most Important Symptoms and Effects, Both Acute and Delayed** : None known.
- Protection of First-Aiders** : No special precautions are necessary for first aid responders.
- Note to Physician** : Treat symptomatically and supportively.

SECTION V: FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Water fog
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable Extinguishing Media:** High-pressure water jet
- Specific Extinguishing Methods:** Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special Protective Equipment for Firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

SECTION VI: ACCIDENTAL RELEASE MEASURE

- Personal Precautions, Protective Equipment and Emergency Procedures** : Follow safe handling advice and personal protective equipment recommendations.
- Environmental Precautions** : Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Local authorities should be advised if significant spillages cannot be contained.
- Methods and Materials for Containment and Cleaning Up** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up of releases. You will

need to determine which regulations are applicable.

Section XIII and XV of this SDS provide information regarding certain local or national requirements.

SECTION VII: SAFE HANDLING AND STORAGE

Handling

Advice on Safe Handling: Wear appropriate protective clothing and safety eyewear. Ensure adequate ventilation. Wash thoroughly after handling.

Storage

Conditions for Safe Storage: Keep out of reach of children. Keep container in a cool and dry area. Avoid exposure to direct sunlight and air (moisture). Do not store above the following temperature: 40°C. It is not advisable to store for more than a year.

SECTION VIII: EXPOSURE CONTROL AND PERSONAL PROTECTION

Components with Workplace Control Parameters

Components	CAS No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Isopropyl alcohol	67-63-0	TWA	400 ppm 986 mg/m ³	MY PEL
		TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m ³	OSHA Z-1

Personal Protective Equipment

Eye/Face Protection: Wear safety goggles.

Skin and Body Protection: Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (e.g. gloves, aprons, boots, etc).

Hand Protection

Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter Type: Combined particulates and organic vapour type.

Hygiene Measures: Wash hand before breaks and at the end of workday.

Note: These precautions are for room temperature handling.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Clear
Odour:	Mild Alcohol Odour
Odour Threshold:	No data available
pH:	No data available
Melting Point/Freezing Point:	No data available
Initial Boiling Point and Boiling Range:	No data available
Flash Point:	No data available
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper Explosive Limit:	No data available
Lower Explosive Limit:	No data available
Vapour Pressure:	No data available
Vapour Density:	No data available
Specific Gravity:	0.97 ± 0.05
Solubility(ies)	
Water Solubility:	Soluble
Partition Coefficient:	
n-Octanol/Water:	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity (Dynamic):	No data available

SECTION X: STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical Stability	: Stable under normal conditions.
Possibility of Hazardous Reactions	: No decomposition if stored and applied as directed.
Conditions to Avoid	: No data available.
Incompatible Materials	: No data available.
Hazardous Decomposition Products	: No data available.

SECTION XI: TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	No data available.
Acute Dermal Toxicity:	No data available.
Acute Inhalation Toxicity (Dust/Mist):	No data available.
Skin Corrosion/Irritation:	No data available.
Serious Eye Damage/Eye Irritation:	Causes serious eye irritation
Respiratory or skin Sensitization:	No data available.
Germ Cell Mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive Toxicity:	No data available.
STOT Single Exposure:	No data available.
STOT Repeated Exposure:	No data available.
Aspiration Hazard:	No data available.

SECTION XII: ECOLOGICAL INFORMATION**Environmental Fate and Distribution:**

No adverse effects are predicted.

Environmental Effects:

No adverse effects on aquatic organisms are predicted.

Bioaccumulation: No bioaccumulation potential.

Fate and Effects in Waste Water Treatment Plants:

No adverse effects on bacteria are predicted.

SECTION XIII: DISPOSAL INFORMATION**Disposal Methods**

Waste from Residues: Disposal of waste to be in accordance with the Environmental Quality (Scheduled Wastes) Regulations and other guidelines issuance by DOE and/local authorities.

Contaminated Packaging: Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION XIV: TRANSPORTATION INFORMATION**International Regulation****UNRTDG**

Not regulated as a dangerous good.

IATA-DGR

Not regulated as a dangerous good.

IMDG-Code

Not regulated as a dangerous good.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION XV: REGULATORY INFORMATION

Safety, Health and Environmental Regulations Specific for the Hazardous Chemical

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemical Hazardous to Health) Regulations 2000.

Environmental Quality (Scheduled Waste) Regulations 2005

SECTION XVI: OTHER INFORMATIONS

REFERENCES

- 1) ECHA database on registered substances.
- 2) Book: Protecting The Ozone Layer: Malaysia Implementing The Montreal Protocol by the United Nations Development Programme (UNDP), Malaysia.

WARRANTY

The information and data contained herein is believed to be accurate and reliable: however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses or the conditions of use to which this product may be put, no warranties concerning fitness or suitability for a particular use or purpose are made. The supplier warrants only that its products will meet its specifications. There is not a warranty of merchantability or fitness for use, nor any other express or implied warranty. The user's exclusive remedy and supplier's sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than as warranted.

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