

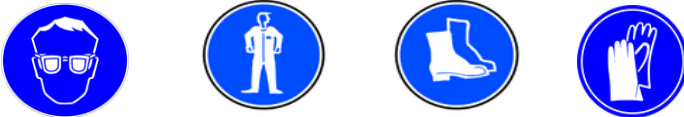
Date issued: 08.04.2020

1. Company Details & Product Identification

Name :	Betasan Products	Emergency Tel :	(076) 673-0950
Address:	18 Brighton Road, Bramley View	Telex :	-
Tel :	(011) 882-1200	Fax :	(011) 882-5279
Trade Name :	Betasan Liquid Hand Sanitiser		
Chemical family :	Alcohol based hand sanitiser		
Chemical Name :	Not applicable		
Synonyms :	Not applicable		
Chemical abstract no. :	Not applicable		

2. Hazards Identification

Main hazard :	Harmful
Flammability :	Flammable
Chemical hazard :	None
Biological hazard :	Harmful
Reproductive hazard :	Not known
Health effects - eye contact :	Stinging sensation (irritant)
Health effects – skin contact :	Prolonged or repeated contact may cause irritation
Health effects – ingestion :	May cause headaches, nausea and/or vomiting.
Health effect – inhalation :	May cause irritation to the respiratory tract, headache, nausea and vomiting

3. Composition			
Hazardous components:			
	% v/v	EC Number	Classification
Isopropanol (CAS No.: 67-63-0)	75		H225/319/336
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4. First Aid Measures			
Product in eye	:	Immediately flush with water for at least 15 minutes or until irritation stops. Seek medical advice.	
Product on skin	:	When used as directed the product is non-hazardous.	
Product ingested	:	Do not induce vomiting. Give copious amounts of water to drink. Seek medical attention.	
Product inhaled	:	Remove to fresh air. Consult physician, should breathing still be difficult.	
5. Fire Fighting Measures			
Extinguishing media	:	Foam, CO ₂ (as for solvent fires)	
Special hazards	:	None	
Protective clothing	:	Not applicable	
6. Accidental Release Measures			
Personal precautions	:	Splash goggles, overalls, boots and gloves	
			
Environmental precautions:		Do not allow concentrate to enter waterways	
Small spills	:	Flush to approved drain with plenty of water	
Large spills	:	Absorbed onto inert material. May be buried in an approved landfill site	
7. Handling and Storage			
Suitable material	:	Polyethylene containers (original container)	
Handling / Storage precautions	:	Do not breathe vapour/spray. Avoid contact with the eyes. Store in a cool, dry place.	



8. Exposure Control / Personal Protection		
Occupation exposure limits	:	ACGIH TWA: 980mg/m ³ (2-propanol)
Engineering control measures	:	Keep the vapour concentrations below their occupational exposure limits, by providing adequate ventilation. Exhaust ventilation or other engineering controls may be necessary, if ventilation is inadequate.
Personal protection – respiratory	:	If ventilation is inadequate, wear an appropriate respirator
Personal protection-hand	:	Not required, if used as directed
Personal protection – eye	:	Not required
Personal protection – skin	:	Overalls
Other protection	:	Ventilation (local exhaust)
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling product and before eating, smoking and before going home.
9. Physical and Chemical Properties		
Appearance	:	Clear, blue liquid
Odour	:	That of alcohol
pH (as is)	:	Not applicable
Boiling point	:	< 100°C
Freezing point	:	Not determined
Flash point	:	Not determined
Flammability	:	Flammable
Explosive properties	:	Not considered as a product that has an explosion risk
Oxidizing properties	:	None
Vapour pressure	:	Not determined
R.D. @ 20 ⁰ C	:	0.85 +/- 0.01g/cm ³
Solubility – water	:	Complete
Solubility – solvent	:	Soluble in polar solvents
Solubility – coefficient	:	This product is more soluble in water

10. Stability and Reactivity						
Stability	:	The product is stable				
Incompatible materials	:	Strong oxidising agents				
11. Toxicological Information						
Local effects:						
Skin irritation	:	Hazardous in case of prolonged skin contact				
Eye irritation	:	Hazardous in case of severe eye contact				
Acute toxicity	:	Acute oral toxicity (LD ₅₀): 3600 mg/kg (mouse) [2-Propanol]				
Chronic toxicity	:	Chronic eye irritation and severe skin irritation may be produced with repeated or prolonged contact with the concentrate				
Specific effects:						
Carcinogenic effects	:	None, as classified by OSHA and NIOSH				
12. Ecological Information						
Eco-toxicity:						
Eco-toxicity in water	:	Concentrate may be harmful to aquatic organisms				
Biodegradability	:	Biodegradable. If used responsibly, this product is not expected to cause adverse effects to the environment.				
13. Disposal Considerations						
Disposal consideration	:	Do not re-use containers. Puncture all plastic containers.				
Disposal methods	:	Waste must be disposed of in accordance with local government and environmental control regulations.				
Waste classification	:	No additional information				
European Waste Catalogue (EWC)	:	No known data				
Hazardous waste	:	The classification of this product may meet the criteria for a hazardous waste				
14. Transport Information						
International transport regulations:						
Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID Class	Not regulated	-	-	III	3	-
Land – Road/Railway						
ADN Class	Not	-	-	-	-	-

Inland waterways	regulated					
IMDG Class Sea	Not regulated	-	-	-	-	-
IATA-DGR Class Air	Not regulated	-	-	-	-	-

15. Regulatory Information

EU Regulations:

Hazard symbol(s)	:	 
Signal word	:	Danger
Hazard statements	:	H226 – Flammable liquid and vapour H319 – Causes serious eye irritation H336 – May cause drowsiness or dizziness
Precautionary statements	:	P102 – Keep out of reach of children P301+P312 – If swallowed: Call a doctor if you feel unwell P305+P351+PP338 – 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
Product use	:	Consumer applications
		Classification and labeling have been performed as close as possible according to EU directives 67/548/EEC, 1999/45/EC including any amendments and the intended use.

16. Other Information

Date of preparation : 14-05-2020 Revision 8
Other Special considerations : No additional remarks

Disclaimer:

Betasan believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this Safety Data Sheet. However, because the conditions of handling and possible addition of other chemicals, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this Safety Data Sheet are offered for user's consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data to comply with all applicable international, state, and local laws and regulations.