





**Safety Data Sheet**  
According to 1907/2006/EC (REACH), 1272/2008/EC (CLP) and GHS

<b>1) Identification of the substance/mixture and of the company</b>	
1.1 Product Identifier	X3 Germ Attack foaming hand sanitizer X3 Germ Attack liquid hand sanitizer (spray) X3 Clean foaming hand sanitizer X3 Clean liquid hand sanitizer (spray)
1.2 Relevant identified uses of the substance and uses advised against	Liquid hand disinfectant
1.3 Supplier of the Safety Data Sheet	 X3 Labs Inc 12 Station Lane Unionville, ON L3R 1R3 Canada 877-977-0299
1.4 Emergency Telephone number	877-977-0299

<b>2) Hazards Identification</b>	
2.1 Classification of the substance Classification according to Regulation (EC) 1272/2008 Classification according to Directive 67/548/EEC or Directive 199/45/EC Information concerning particular hazards for human and environment	Not classified  Not applicable  Ingredients are non-hazardous
2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms N/A Signal word Hazard statements Additional information Hazard description WHMIS-symbols  NFPA ratings (scale 0-4)          HMIS ratings (scale 0-4)          HMIS Long Term Health Hazard Substances	n/a n/a n/a n/a   Classes D 2 B   Health = 0 Fire = 0 Reactivity = 0   Health = 0 Fire = 0 Reactivity = 0  None of the ingredients are listed

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2.3 Other Hazards	
Results of PBT and vPvB assessment	
PBT	n/a
vPvB	n/a

3) Composition/Information on Ingredients			
Chemical Ingredients	CAS Number	EC Number	Percent Range
Benzalkonium chloride	8001-54-5	264-151-6	0.12-0.14%
<b>Other ingredients:</b> Purified water, Cocamidopropyl betaine, Glycerin			

4) First Aid Measures	
4.1 Description of first aid measures General Information	No special measures required
After inhalation	Unlikely route of exposure, consult medical professional in case of complaints
After skin contact	No special measure required
After eye contact	Remove contact lenses if worn. Flush eyes with water for several minutes
After ingestion	Rinse out mouth, and then drink plenty of water. Do not induce vomiting. Consult medical professional in case of complaints
4.2 Most important symptoms and effects, both acute and delayed Hazards	None No further relevant information is available
4.3 Indication of any immediate medical attention and special treatment needed	No further relevant information is available

5) Firefighting Measures	
5.1 Extinguishing media Suitable extinguishing agents For safety reasons, unsuitable extinguishing agents	Vaporized water, foam of carbon dioxide
5.2 Special hazards arising from the substance	None
5.3 Advice for firefighters Protective equipment	Wear self contained respiratory protective device Wear fully protected suit
Additional information	No further relevant information is available

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<b>6) Accidental release measures</b>	
6.1 Personal precautions, protective equipment and emergency procedures	None required
6.2 Environmental precautions	No special measure required
6.3 Methods and material for containment and cleaning up	Pick up mechanically
6.4 References to other sections	See Section 7 for safe handling See Section 8 for personal protection equipment See Section 13 for disposal information

<b>7) Handling and storage</b>	
7.1 Precautions for safe handling	None required
7.2 Conditions for safe storage, including any incompatibles	Avoid storage near extreme heat, ignition sources or open flame Protect from freezing –store between 5°C and 30°C Protect from humidity and water
Information about storage in a common storage facility	Protect from freezing –store between 5°C and 30°C
7.3 Specific end uses	No further relevant information is available

<b>8) Exposure controls/personal protection</b>	
8.1 Control parameters Ingredients with limit values that require monitoring at the workplace DNELs PNECs	None No further relevant information is available No further relevant information is available
8.2 Exposure controls Personal protective equipment General protective and hygienic measures Respiratory protection Protection of hands Eye protection Body protection Limitation and supervision of exposure into the environment Risk management measures	None required Not required under normal conditions of use Not required Not required under normal conditions of use Not required No further relevant information is available No further relevant information is available See Section 7

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<b>9) Physical and chemical properties</b>	
9.1 Information on basic physical and chemical properties	
Appearance:	
Form	Liquid
Colour	Colourless
Odour	Mild
Odour threshold	Not determined
pH-value	7.00 +/- 1.00
Change in condition:	
Melting point/Melting range:	
Boiling point/Boiling range	Undetermined
Flash point	Undetermined
Flammability (solid, gaseous)	Undetermined
Ignition temperature	n/a
Decomposition temperature	Not determined
Self-igniting	Not determined
Danger of explosion	Not determined
Explosion limits:	Product is not self-igniting
Lower/Upper	Product does not present an explosion hazard
Vapour pressure	Not determined
Density:	
Relative density	n/a
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with water	Not determined
Partition coefficient (n-octanol/water)	Soluble
Viscosity:	Not determined
Dynamic	n/a
Kinematic:	n/a
9.2 Other information	No further relevant information available

<b>10) Stability and reactivity</b>	
10.1 Reactivity	
10.2 Chemical stability	
Thermal decomposition / conditions to be avoided	No decomposition if used and stored according to specifications
10.3 Possibility of hazardous reactions	Strong oxidizers, reducing agents, acids and alkaline agents
10.4 Conditions to avoid	Contact with strong oxidizers, reducing agents, acids and alkaline agents
10.5 Incompatible materials	
10.6 Hazardous decomposition products	CO, CO <sub>2</sub>

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<b>11) Toxicological information</b>	
11.1 Information on toxicological effects Acute toxicity Primary irritant effect: · on the skin: · on the eye: by ingestion	No irritant effect Slight irritant effect on eyes May cause irritation, abdominal pain, and diarrhea
Additional toxicological information	The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

<b>12) Ecological information</b>	
12.1 Toxicity Aquatic toxicity	No further relevant information available
12.2 Persistence and degradability	No further relevant information available
12.3 Bioaccumulative potential	No further relevant information available
12.4 Mobility in soil Additional ecological information:	This statement was deduced from the properties of the single components. Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely
12.5 Results of PBT and vPvB assessment · PBT: · vPvB:	n/a n/a
12.6 Other adverse effects	No further relevant information available

<b>13) Disposal considerations</b>	
13.1 Waste treatment methods · Recommendation  Uncleaned packaging: · Recommendation · Recommended cleansing agents:	Can be disposed of with domestic waste or incinerated with domestic waste  Disposal must be made according to local regulations. Water, if necessary together with cleansing agents.

<b>14) Transport information</b>	
14.1 UN Number DOT,ADR,ADN,IMDG,IATA	n/a
14.2 UN proper shipping name DOT,ADR,ADN,IMDG,IATA	n/a
14.3 Transport hazard classes DOT,ADR,ADN,IMDG,IATA	n/a

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14.4 Packing group DOT,ADR,IMDG,IATA	n/a
14.5 Environmental hazards	n/a
14.6 Special precautions for user	n/a
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation"	n/a -

<b>15) Regulatory information</b>	
<p>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</p> <p>a) United States (USA) - SARA Section 355 (extremely hazardous substances) Section 313 (Specific toxic chemical listings) TSCA (Toxic Substances Control Act)</p> <p>Proposition 65 (California) Chemicals known to cause cancer Chemicals known to cause reproductive toxicity for females Chemicals known to cause reproductive toxicity for males Chemicals known to cause developmental toxicity</p> <p>Carcinogenic Categories EPA (Environmental Protection Agency) IARC (International Agency for Research on Cancer) TLV (Threshold Limit Value established by ACGIH) NIOSH-Ca (National Institute for Occupational Safety and Health) OSHA-Ca (Occupational Safety &amp; Health Administration)</p> <p>b) Canada <b>Canadian Domestic Substances List (DSL)</b> <b>Canadian Ingredient Disclosure list (limit 0.1%)</b> <b>Canadian Ingredient Disclosure list (limit 1%)</b></p>	<p>None of the ingredients is listed None of the ingredients is listed All ingredients are listed</p> <p>None of the ingredients is listed</p> <p>None of the ingredients is listed</p> <p>None of the ingredients is listed None of the ingredients is listed</p> <p>None of the ingredients is listed None of the ingredients is listed</p> <p>None of the ingredients is listed None of the ingredients is listed None of the ingredients is listed None of the ingredients is listed</p> <p>None of the ingredients is listed</p> <p>All of the ingredients are listed None of the ingredients is listed Benzalkonium chloride (BZK)</p>
15.2 Chemical safety assessment	A chemical safety assessment has not been carried out

<b>16) Other information</b>	
	This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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