

# Nanoxx Antibacterial Surface Cleansing Wipes Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

<b>SECTION 1: Identification of the substance/mixture and of the company undertaking</b>	
1.1. Product Identifier	
Trade name	Nanoxx antibacterial Surface Cleansing Wipes
Product form	Wipe
Product code	-
Product type	Biocide
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Intended use	Surface cleansing
1.3. Details of the Manufacturer of the safety data sheet	
Production company	SHIMYATECH LTD
Address	131 Mount Pleasant Liverpool Science Park IC1 Liverpool L3 5TF
Telephone	(+44) 07891 062644
Email	<a href="mailto:Info@shimyatech.com">Info@shimyatech.com</a>
1.4. Emergency telephone number	
Emergency telephone number	(+44) 07891062644

<b>SECTION 2: Hazards Identification</b>	
2.1. Classification of the substance or mixture	
Classification under CLP Regulation (EC) No. 1272/2008	Chronic aquatic toxicity, Category 3. H412
Classification under Directive 67/548/EEC & directive 1999/45/EC	N; Dangerous for the environment. R52/53
2.2. Label elements	
Contains	Benzyl-C12-16-alkyldimethyl chloride
Hazard statements	H412: Harmful to aquatic life with long lasting effects
Signal Words	Not applicable
Hazard pictograms	Not applicable
Precautionary statements	P273: Avoid release to the environment
2.3. Other hazards	
Other hazards	This product is not identified as a PBT/vPvB substance

<b>SECTION 3: Composition/information on ingredients</b>				
3.2 Mixtures				
Hazardous Ingredients	CAS No / EC No./ Reach Registration No.	R-Phrases	%W/W	Hazard statements
Benzyl-C12-16-alkyldimethyl chloride	68424-85-1 / 270-324-2	R21/22 R34 R50	<1	H302, Acute Tox. 4

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				H315, Skin Irrit. 2 H319, Eye Irrit. 2 H400, Aquatic Acute 1
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See section 16 for full text of hazard statements

<b>SECTION 4: First aid measures</b>	
4.1 Description of first aid measures	
Skin contact	Get medical attention if symptoms occur
Eye contact	Bathe the eye with running water for 15 minutes. If easy to do, remove contact lens, if worn. IF symptoms occur Get medical attention
Ingestion	Wash out mouth with water. Get medical attention if symptoms occur.
Inhalation	Move exposed person to fresh air. Get medical attention if symptoms occur.
4.2 Most important symptoms and effects, both acute and delayed	
Skin contact	No known significant effects or critical hazards
Eye contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Delayed / immediate effects	No known significant effects or critical hazards
4.3 Indication of any immediate medical attention and special treatment needed	
Treat symptomatically	

<b>SECTION 5: Firefighting measures</b>	
5.1 Extinguishing media	
Suitable Extinguishing media	Use water spray, dry powder or carbon dioxide to extinguishing
Unsuitable extinguishing media	None known
5.2 Special hazards arising from the substance or mixture	
Special Hazards	No specific fire or explosion hazard
5.3 Advice for firefighters	
Advice	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.
Special protective equipment for firefighters	Use air-supplied respirator, gloves and protective goggles. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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<b>SECTION 6: Accidental release measures</b>
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>
Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes and prolonged skin contact. Adequate ventilation. Non sparking ventilation systems. Approved explosive proof equipment. Intrinsically safe electrical systems.
<b>6.2 Environmental precautions</b>
Environmental precautions Avoid discharge into drains or watercourses or onto the ground/soil. This material and its container must be disposed of safely
<b>6.3 Methods and material for containment and cleaning up</b>
Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Containers must not be punctured or destroyed by burning, even when empty.
<b>6.4 Reference to other sections</b>
Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

<b>SECTION 7: Handling and storage</b>
<b>7.1 Precautions for safe handling</b>
Put on appropriate protective equipment (section 8). Eating, drinking and smoking prohibited in areas where material is handled, stored and processed. Workers should wash hands and face before heating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
<b>7.3 Specific end use(s)</b>
Industrial use. Professional use. SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen). Consumer use. PC8 Biocidal products (e.g. Disinfectants, pest control). PC35 Washing and cleaning products (including solvent based products).

<b>SECTION 8: Exposure controls/personal protection</b>
<b>8.1 Control parameters</b>
<b>8.1.1. Occupational exposure limits</b>
<b>NONE</b>
<b>8.1.2 Derived No Effect Levels (DNEL)</b>
<b>NONE</b>
<b>8.1.3 Predicted no-effect concentrations</b>
<b>NONE</b>
<b>8.2 Exposure controls</b>
<b>8.2.1 Appropriate engineering controls</b>
Good general ventilation sufficient to control worker exposure to airborne contamination.
<b>8.2.2 Personal protective equipment</b>

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Eye protection	No special protective equipment required
Skin protection	No special protective equipment required
Respiratory protection	No special protective equipment required
Thermal hazards	No special protective equipment required
<b>8.2.3 Environmental exposure controls</b>	
Avoid release to the environment, consider the provision of contamination around the storage vessels	

<b>SECTION 9: Physical and Chemical properties</b>	
<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	Solid (Presaturated Wipes), White
Odour	Charateristic, Slight chemical odour
Odour threshold	No data available
pH	Not known
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/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour Density	No data available
Density (g/ml)	No data available
Relative density	No data available
Solubilities	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition Temperature (°C)	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidising properties	No data available
Other information	No additional information

<b>SECTION 10: Stability and reactivity</b>	
<b>10.1 Reactivity</b>	
No specific test data related to reactivity available for this product or its ingredients	
<b>10.2 Chemical stability</b>	
Stable under normal conditions	
<b>10.3 Possibility of hazardous reactions</b>	
Hazardous reactions will not occur under normal transport or storage conditions	
<b>10.4 Conditions to avoid</b>	
Keep away from extreme heat. Protect from moisture	
<b>10.5 Incompatible materials</b>	

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Strong oxidizing agents
10.6 Hazardous decomposition products
Hazardous decomposition products: Carbon oxides Nitrogen oxides Sulphur oxides Oxides of phosphorus.

<b>SECTION 11: Toxicological information</b>	
11.1 Information on toxicological effects	
Acute toxicity - Ingestion	There is no data available for this product
Acute toxicity – Skin Contact	There is no data available for this product
Acute toxicity – Inhalation	There is no data available for this product
Skin corrosion/irritation	There is no data available for this product
Serious eye damage/irritation	There is no data available for this product
Skin Sensitization data	There is no data available for this product
Respiratory sensitization data	There is no data available for this product
Germ cell mutagenicity	There is no data available for this product
Carcinogenicity	There is no data available for this product
Reproductive toxicity	There is no data available for this product
Lactation	There is no data available for this product
STOT – single exposure	There is no data available for this product
STOT – repeated exposure	There is no data available for this product
Aspiration hazard	There is no data available for this product
11.1 Information on toxicological effects	
None	

<b>SECTION 12: Ecological information</b>	
12.1 Toxicity	
Toxicity	Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Toxicity – Aquatic invertebrates	EC50: 0.016 mg/l (48 hours)
Toxicity – Fish	Acute LC50: 0.28 ppm fresh water (96 hours)
Toxicity – Algae	Acute EC50: 670 ug/L fresh water (96 hours)
12.2 Persistence and Degradation	
There is no data available for this product	
12.3 Bioaccumulative potential	
There is no data available for this product	
12.4 Mobility in soil	
There is no data available for this product	
12.5 Result of PBT and vPvB assessment	
Not classified as PBT or vPvB	
12.6 Other adverse effects	
No known significant effects or critical hazards.	

<b>SECTION 13: Disposal considerations</b>	
13.1 Waste treatment methods	
Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill.	

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Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose at suitable refuse site.

## 13.2 Additional information

Disposal should be in accordance with local, state or national legislation.

## SECTION 14: Transport information

This product is not classified as dangerous goods for transport in regards to the transport regulations.

## SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

According to detergents regulation EC 648/2004 Less than 5%: cationic surfactants. Other constituents are: Disinfectant.

15.2 Chemical Safety Assessment

None of the components are listed

## SECTION 16: Other information

Hazard classification	Chronic aquatic toxicity, Category 3. H412
Hazard Statement(s)	H225: Highly flammable H301: Toxic if swallowed H302: Harmful if swallowed H314: Causes severe skin burns and eye damage H319: Causes serious eye irritation H336: May cause drowsiness or dizziness H400: Very toxic to aquatic life
Precautionary Statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P240: Ground and bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting/equipment. P242: Use non-sparking tools. P243: Take action to prevent static discharges. P264: Wash hands and exposed skin thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. 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. P370+P378: In case of fire: Use water spray, dry powder or carbon dioxide to extinguish. P403+P235: Store in a well-ventilated place. Keep cool. P501: Dispose of contents in accordance with local, state or national legislation

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R Phrases	Mentioned under sections 2 and 3: R11: Highly flammable R22: Harmful if swallowed R34: Causes burns R36: Irritating to eyes R50: Very toxic to aquatic organisms R67: Vapours may cause drowsiness and dizziness
Acronyms	ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road CAS : Chemical Abstracts Service CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures DNEL : Derived No Effect Level EC : European Community EINECS : European Inventory of Existing Commercial Chemical Substances IATA : International Air Transport Association IBC : Intermediate Bulk Container ICAO : International Civil Aviation Organization IMDG : International Maritime Dangerous Goods LTEL : Long term exposure limit PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals RID : Regulations concerning the International Carriage of Dangerous Goods by Rail STEL : Short term exposure limit STOT : Specific Target Organ Toxicity UN : United Nations vPvB : very Persistent and very Bioaccumulative
Key Literature and Sources of Data	ECHA REACH Dossier Regulation (EC) No. 1272/2008 (CLP) Regulation (EC) No. 1907/2006 (REACH) Regulation (EU) No. 2015/830
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