

1. Identification :

Product name	SNB ANTIBACTERIAL HAND GEL BERRY
Chemical Name	-
Trade name	DZK033; DZK031; DZK032
Manufacturer's name	STAR NAILS - BULGARIA LTD
Manufacturer's address	2 Damyan Balabanov St. 4006 Plovdiv, Bulgaria
Clinically toxicology phone	+359 2 91544
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2. Hazards Identification:

EMERGENCY OVERVIEW	Highly flammable liquid and vapour · May cause eye irritation. · Cannot be applied to damaged skin, rashes and inflammation. May cause skin irritation after repeated and prolonged contact. · Avoid prolonged or repeated breathing of vapors or mists.
Potential Health Effects, Signs and Symptoms of Exposure:	
Primary Route of Entry	Preparation is for external use only. Do not apply to damage skin, rashes and inflammation. Do not swallow.
Eye	Avoid contact with eyes. May cause eye irritation. Splashes may cause severe irritation, with stinging, tearing, redness.
Skin	Repeated/prolonged contact may cause drying of skin. Symptoms include redness, drying, cracking and skin burns.
Ingestion	May cause irritation of the gastrointestinal tract.
Inhalation	May cause irritation to the upper respiratory tract. Do not breathe vapors.

3. Composition and Information on Ingredients:

Chemical Identity	CAS#	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Alcohol denat.	64-17-5	200-578-6	Alcohol denat.	1000 ppm	1000 ppm	Not Listed	72-75
Aqua	7732-18-5	231-791-2	Aqua	N/A	N/A	N/A	23-25
Propane-1,2-diol	57-55-6	200-338-0	Propylene Glycol	N/A	N/A	N/A	1-1.5
1,1',1'',1'''-Ethylenedinitrilotetrapropan-2-ol	102-60-3	203-041-4	Tetrahydroxypropyl Ethylenediamine	N/A	N/A	N/A	0.6-0.1
Parfum	-	-	Parfum	N/A	N/A	N/A	0.3-0.5
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	-	-	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	N/A	N/A	N/A	0.3-0.5
Disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate	25956-17-6	247-368-0	CI 16035	N/A	N/A	N/A	<0.001
Bis[hydrogen 4-[4-(diethylamino)-5'-hydroxy-2',4'-disulphonatobenzhydrylidene]cy clohexa-2,5-dien-1-ylidene]diethylammonium], calcium salt	3536-49-0	222-573-8	CI 42051	N/A	N/A	N/A	<0.001

N/A – Not Applicable

Alcohol denat.: **Hazard** - H225, **Safety Phrases** - P210, P233, P241, P243, P305 + P351 + P338, P403 + P235, P102.

4. First-aid Measures:

First Aid for Eye	Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
First Aid for Skin	Wash thoroughly with water. Remove contaminated clothing. Get medical help if discomfort persists.
First Aid for Ingestion	Do not induce vomiting. Rinse mouth with water, then drink two glasses of water. Seek medical attention for advice, show the label or packaging. If possible, do not leave individual unattended.
First Aid for Inhalation	Remove to fresh air. If having breathing difficulty, give oxygen. If breathing has stopped, give artificial respiration. Seek medical attention if discomfort persists.

5. Fire-fighting Measures:

FLASH POINT (°C):	16
FLAMMABLE LIMIT (vol%):	400 ppm
AUTOIGNITION TEMPERATURE (°C):	425
Extinguishing Media:	Use CO ₂ , dry chemical for small fires, or alcohol type aqueous film forming foam.
Fire Fighting Instructions:	If potential for exposure to vapors or products of combustion, wear complete personal protective equipment including self contained breathing apparatus, with full face operated in pressure demand. Fight fire from a safe distance/protected location.
Unusual Hazards:	Flammable. When exposed to heat and flame, material is a fire explosion hazard. To comply with transport regulations for transport of goods.

6. Spillage, Accidental Release Measures:

Spill or Release Procedures	Eliminate all sources of heat and ignition. Use absorbent material for spills and dike it, wash spill material into retaining containers. Place containers in a well-ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer! EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.
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7. Handling and Storage:

Handling	This Closed containers exposed to temperature above (120 ° F) in transit or storage may develop vapor pressure. Open containers slowly. Ground all metal containers when transferring material. Wash face and hands thoroughly with soap and water after handling and before eating, drinking. Do not smoking.
Storage	Store in a cool /5-25° C/, well ventilated area away from heat, sparks and flame. Keep containers closed when not in use. Failure to comply with proper storage instructions will result in the material being non-refundable. Do not smoking.
Explosion Hazard	Flammable. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

8. Exposure Controls and Personal Protection:

Engineering Controls	Facilities storing should be equipped with an eye facility and safety shower. Use process enclosures local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.
Personal Protective Equipment	
Eye/ Face Protection	Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type of safety glasses.
Skin and body Protection	Appropriate clothing. Do not require special hand protection.
Respiratory Protection	A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

9. Physical and chemical properties:

Appearance, color	Odor	pH	Viscosity
gel, violet	specific	5.5 - 7.5	N/A

Boiling Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solubility in water
100 °C	N/A	N/A	< 15Pas, 20 °C	N/A	N/A	N/A	soluble

Flammable Limit	Auto-ignition Temperature
16° C	425° C

10. Stability and Reactivity:

Stability:	Stable
Incompatibility (Materials to Avoid):	No data
Hazardous Decomposition Products:	Carbon oxide, carbon dioxide, nitrogen oxides
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Heat, flame, ignition sources and incompatibles

11. Toxicological Information:

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
N/DA	N/DA	N/DA	N/DA	N/DA

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/DA	N/DA	N/DA

12. Ecological Information:

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
N/DA	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	When released into the soil, this material is expected to quickly evaporate. When released into the soil, this material may leach into groundwater. When released into the soil, this material may biodegrade to a moderate extent. When released to water, this material is expected to quickly evaporate. When released into the water, this material is expected to have a half-life between 1 and 10 days. When released into water, this material may biodegrade to a moderate extent. This material is not expected to significantly bioaccumulate.
Chemical Oxygen Demand	N/DA


13. Disposal Considerations:

Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate. Processing, use or contamination of this product may change the waste management options. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

14. Transport Information:

DOT (49 CFR 172)	
Proper Shipping Name:	UN1170, Flammable 3, PGII
Identification Number:	UN1170
Marine Pollutant:	No
Special Provisions:	None
Emergency Response Guidebook (ERG) #:	-
IATA (DGR) :	
Proper Shipping Name:	UN1170 Flammable, class 3
Class or Division:	3
UN or ID Number:	UN1170
Packaging group:	II
Emergency Response Guidance (ICAO)#:	-
IMO (IMDG):	-
Proper Shipping Name:	Flammable, 3, PGII
Class or Division:	3
UN or ID Number:	UN1170
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	-
Other Information:	Flash point = 16° C

15. Labeling according to EC 1272/2008 Symbol(s) & Indication(s) of Danger:

<p>European Community:</p> 	<p>HAZARD: H225 Highly flammable liquid and vapour. SAFETY PHRASES: P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P233 Keep container tightly closed. P241 Use explosion-proof electrical/ventilating/lighting/.../equipment. P243 Take precautionary measures against static discharge. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403 + P235 Store in a well-ventilated place. Keep cool. P102 Keep out of reach of children.</p>
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16. Other Information:
EU Classes and Hazard and Safety Phrases for Referenced Ingredients (See Section 2):

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MSDS Prepared by	STAR NAILS - BULGARIA LTD
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