

SAFETY DATA SHEET

Product Name: NANO RAPID HAND SANITISER

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Version: 1.0 This version issued: 21 April 2020

ABN 36099912213.

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1	Product identifier	
	Product form	GEL
	Product Name	NANO RAPID HAND SANITISER
	Model/Type	500mL, 59mL
	CAS No.	Refer to section 3
	Type of product	Preparation-Blend of ingredients
	Chemical structure	Refer to section 3
	Synonyms	
	Product group	EXCLUDED GOOD/COSMETIC- PERSONAL CARE
1.2.1	Relevant identified uses	
	Main use category	This is a personal care product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulation. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.
	Use of the substance / article	For more detailed information, see technical data sheet
1.2.2	Uses advised against	
		Not for oral consumption, No additional information available
1.3	Details of the supplier of safety data sheet	
	Manufacturer/ supplier	TV INNOVATIONS PTY LTD UNIT 7, 17 STANTON ROAD SEVEN HILLS NSW 2147, AUSTRALIA TEL: 0061-2-9838 0655, Fax:0061-2-9838 0666 E-mail: nano@tvinnovations.com.au
1.4	Emergency telephone number	0061-2-9838 0655

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SECTION 2 - HAZARDS IDENTIFICATION

2.1	Classification of the substances or mixture
	This product does not contain hazardous substances to be mentioned according to EU Regulation No 1907/2006 (REACH), Hazard category as per Safe Work Australia (SWA). Flammable liquids: Category 2 Eye irritation: Category 2A
2.2	Label elements
Pictogram	 
Signal word	DANGER
Hazard statement(s)	H225 Highly Flammable liquid and vapor. H319 Causes serious eye irritation.
2.3	Precautionary Statements
	Prevention: P210 Keep away from heat/sparks/open flames/hot surfaces. -No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P280 Wear eye protection/ face protection. 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. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Storage: P403 + P235 Store in a well-ventilated place. Keep cool. Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.
2.4	Hazards not otherwise classified No information available
2.5	Other information
	No information available
2.6	Other hazards
	Results of PBT and vPvT assessment
	PBT No PBT substances
	vPvB No vPvB substances

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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not substances, articles

3.2 Composition

Name	CAS No.	EC No.	Concentration, %
Ethyl alcohol	64-17-5	200-518-6	75-80
Pure Water	7732-18-5	231-791-2	10-15
Glycerin	56-81-5	200-289-5	1-5
Triethanolamine	102-71-6	203-049-8	0.3-2
Carbomer	9007-20-9	618-435-5	0.3-2
Vitamin E	2074-53-5	218-197-9	0-0.2

SECTION 4 - FIRST AID MEASURES

4.1	Description of first aid measures	
	General advice	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
	If inhaled	Remove to fresh air. If symptoms persist, call Doctor / POISON INFORMATION CENTRE: AUSTRALIA 13 11 26, NEW ZEALAND 0800 764 766
	In case of skin contact	Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.
	In case of eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice
	If swallowed	If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.
4.2	Most important symptoms and effects, both acute and delayed	Causes serious eye irritation.
4.3	Indication of any immediate medical attention and special treatment needed	First Aid responders should pay attention to self-protection and use the recommended protective clothing

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SECTION 5 – FIRFIGHTING MEASURES

5.1	Extinguishing media	
	Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
	Unsuitable extinguishing media	High volume water jet
5.2	Special hazards arising from the substance or mixture	
	No information available	
	Hazardous decomposition products in case of fire	Carbon oxides
5.3	Advice for firefighters	
	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.	
5.4	Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.
Material can create slippery conditions.

6.2 Environmental precautions

Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapours/mists with a water spray jet.
Keep in suitable, closed containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7 – HANDLING AND STORAGE

7.1	Precautions for safe handling
	For personal protection see section 8. Keep away from heat and flame. Use with local exhaust ventilation. Avoid contact with eyes.
7.2	Conditions for safe storage, including any incompatibilities
	Take measures to prevent the buildup of electrostatic charge. Keep in properly labelled containers. Keep containers tightly closed in a dry, cool and well ventilated place. Store in accordance with the particular national regulations.
7.3	Specific end uses
	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
	Occupational Exposure Limits	Ethyl Alcohol, TWA: 1900mg/m ₃ (NIOSH, REL); STEL: 1000mg/kg (OSHA Z-1)
8.2	EXPOSURE CONTROLS	
	Appropriate engineering controls	No related information available
	Personal protective equipment	Respiratory protection: No personal respiratory protective equipment normally required. Hand protection: No special protective equipment required. Eye protection: Wear face-shield and protective suit for abnormal processing problems. Skin and body protection: No special measures necessary provided product is used correctly. Protective measures: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Ensure that eye flushing systems and safety showers are located close to the work place. Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes
	Control of environmental exposure	Do not let product enter drains.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

9.1	Physical State	
	Appearance	Binding liquid
	Color	Colorless
	Odor	Alcohol flavor
	Odor threshold	No data available
	pH	No data available
	Relative evaporation rate (butylacetate=1	No data available
	Melting point	No data available
	Freezing point	No data available
	Boiling point	No data available
	Flash point	No data available
	Auto-ignition temperature	No data available
	Decomposition temperature	No data available
	Flammability (solid, gas)	No data available
	Relative vapor density at 20°C	No data available
	Relative density	No data available
	Density	No data available
	Solubility	No data available
	Log Pow	No data available
	Viscosity, kinematic	No data available
	Explosive properties	No data available
	Oxidizing properties	No data available
	Explosive limits	No data available
9.2	Other information	
	Minimum ignition energy	No data available
	VOC content	>1%

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SECTION 10 – STABILITY AND REACTIVITY

10.1	REACTIVITY
	Not classified as a reactivity hazard
10.2	CHEMICAL STABILITY
	Stable under normal conditions
10.3	POSSIBILITY OF HAZARDOUS REACTIONS
	Vapours may form explosive mixture with air.
10.4	CONDITIONS TO AVOID
	Heat, flames and sparks.
10.5	INCOMPATIBLE MATERIALS
	Strong oxidizing agents
10.6	HAZARDOUS DECOMPOSITION PRODUCTS
	No hazardous decomposition products are known

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Acute toxicity	No information available
	Skin corrosion/irritation	No information available
	Serious eye damage/eye irritation	No information available
	Respiratory or skin sensitization	No information available
	Germ cell mutagenicity	No information available
	Carcinogenicity	No information available
	Reproductive toxicity	No information available
	Specific target organ toxicity - single exposure	No information available
	Specific target organ toxicity - repeated exposure	No information available
	Aspiration hazard	No information available
	Additional Information	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

SECTION 12 – ECOLOGICAL INFORMATION

12.1	TOXICITY	No information available
	Toxicity to daphnia and other aquatic invertebrates	No information available
12.2	Persistence and degradability	No information available
12.3	Bio-accumulative potential	No information available
12.4	Mobility in soil	No information available
12.5	Results of PBT and vPvB assessment	No PBT substances used in the product.

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12.6	Other adverse effects	No information available
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SECTION 13- DISPOSAL CONSIDERATION

13.1	Waste treatment methods	
	Waste treatment methods	Dispose of in accordance with local regulations.
	Waste management (disposal and evaluation)	Disposal must be done according to local/official regulations. Refer to manufacturer/supplier for information on recovery/recycling.
	Contaminated packaging	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 – TRANSPORT INFORMATION

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

In accordance with ADR / RID / IMDG / IATA / ADN

	ADR	IMDG	IATA	AND	RID
14.1	UN Number				
	1170	1170	1170	1170	1170
14.2	UN Proper shipping name				
	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)				
14.3	Transport hazard class(es)				
	3	3	3	3	3
14.4	Packing Group				
	III	III	III	III	III
14.5	Environmental hazards				
	3	3	3	3	3
14.6	Special precautions for user				
	Overland transport	No data available			
	Transport by sea (IMDG)	144			
	Air transport (IATA)	No data available			
	Inland waterway transport	No data available			
	Rail transport	No data available			
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code				
	No related information available				

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SECTION 15 – REGULATORY INFORMATION

15.1	<p>Safety, health and environmental regulations/legislation specific for the substance or mixture</p> <p>This product is compliant with the <i>Therapeutic Goods (Excluded Goods) Determination 2018, Schedule 2, item 2- antibacterial skin products</i> and with <i>NICNAS regulations</i></p> <p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.</p> <p>Contains no REACH substances with Annex XVII restrictions</p> <p>Contains no substance on the REACH candidate list</p> <p>Contains no REACH Annex XIV substances</p>
15.2	<p>Chemical safety assessment</p> <p>The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterization is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.</p>

SECTION 16 – OTHER INFORMATION

Legislation related to safety data sheets	GHS Rev.3 and European Regulation No.1272/008, No.1907/2006 and its amendments
Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks	Not applicable
Texts of the legislative phrases mentioned in section 2	Not applicable
Texts of the legislative phrases mentioned in section 3	The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3
Advice related to training	Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.
Abbreviations and acronyms	Asp. Tox. Aspiration hazard Carc. Carcinogenicity CAS number- Chemical Abstracts Service Registry Number Eye Irrit. Eye irritation Flam. Liq. Flammable liquids H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H319 Causes serious eye irritation. H340 May cause

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	genetic defects. H350 May cause cancer. H372 Causes damage to organs through prolonged or repeated exposure. Muta. Germ cell mutagenicity Skin Corr. Skin corrosion Skin Irrit. Skin irritation STOT RE Specific target organ toxicity - repeated exposure SWA- Safe Work Australia, formerly ASCC and NOHSC
Other information	Training staff on good manufacturing practice. Manipulations are to be done only by qualified and authorized persons. Use good personal hygiene practices

Disclaimer

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD STATEMENT: INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)

This SDS was confirmed by Regulatory Concepts, 21 April 2020

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