

MATERIAL SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Gel Residue Wipe Off	Code GRR-30, GRR-120	
Product Use For Professional Use Only		
Manufacturer's / Suppliers Name Naio Nails UK Ltd.		
Street Address 5 Portrack Court, Stockton-On-Tees, TS18 2XB, United Kingdom.	Emergency Contact Details Infotrac +1 (800) 535-5053 Outside USA +1 (352) 353-3500	
Date MSDS Prepared 01-December-2016	MSDS Prepared By Daniel Anderton	Phone Number 0333 1211109

SECTION 2 — HAZARDS IDENTIFICATION

Classification of the substance or mixture

Product Definition	Mixture
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Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flammable Liquid [2]	H225
Eye Irritation [2]	H319

This product is classified as **hazardous** according to regulation (EC) 1272/2008

- See Section 16 for the full text of the R phrases or H statements declared above.
- See Section 11 for more detailed information on health effects and symptoms.

Precautionary statements

General	Not Applicable
Prevention	Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Avoid release to the environment.
Response	- IF INHALED: Remove person to fresh air and keep comfortable for breathing - IF ON SKIN / HAIR: Take off immediately all contaminated clothing. Rinse Skin with water or shower
Storage	Keep cool
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazard Statements

Flammable liquid and vapour
 Harmful if inhaled
 Causes serious eye irritation
 Causes skin irritation

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Product / Ingredient Name	INCI Name	Identifiers	%	Type
Propan-2-ol	Isopropyl Alcohol	CAS: 67-63-0	100	[1]

SECTION 4 — FIRST AID MEASURES**4.1 - Description of first aid measures**

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 - Most important symptoms and effects, both acute and delayed**Potential acute health effects**

Eye contact	Causes eye irritation.
Inhalation	Harmful if inhaled. May cause respiratory irritation.
Skin contact	May cause skin irritation
Ingestion	Can cause central nervous system depression

Over-exposure signs / symptoms

Eye contact	Adverse symptoms may include the following: Pain or irritation, Watering, Redness
Inhalation	Adverse symptoms may include the following: Nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, Respiratory tract irritation.
Skin contact	Adverse symptoms may include the following: Redness, Irritation
Ingestion	No specific data

4.3 - Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	No specific treatment

SECTION 5 — FIRE FIGHTING MEASURES

5.1 - Extinguishing media

Suitable extinguishing media	Use dry chemical, CO2, Water Spray (Fog) or Foam
Unsuitable extinguishing media	Do not use water jet

5.2 - Special hazards arising from the substance or mixture

Hazards from the substance or mixture	Flammable liquid and vapour. In a fire or if heated, Vapor may travel considerable distance to source of ignition and flash back. CAUTION: MAY BURN WITH NEAR INVISIBLE FLAME. Hydrogen peroxide sharply reduces the autoignition temperature of Isopropyl alcohol. After a delay, Isopropyl alcohol ignites on contact with dioxygenyl tetrafluoroborate, chromium trioxide, and potassium tert-butoxide. When heated to decomposition it emits acrid smoke and fumes.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, ketones and hydrogen peroxide

5.3 - Advice for firefighters

Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel"

6.2 - Environmental precautions

Environmental precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
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6.3 - Methods and material for containment and cleaning up

Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container
Large Spill	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

See Section 1 for emergency contact information,

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7 — HANDLING AND STORAGE

7.1 - Precautions for safe handling

Protective measures	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.
Advice on general occupational hygiene	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 - Conditions for safe storage, including and incompatibilities

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 - Control parameters

Occupational exposure limits	No exposure limits known
Recommended monitoring procedures	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2 - Exposure controls

Appropriate engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
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Individual protection measures

Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protection	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves
Personal Protection in case of a Large spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odour and Appearance Pleasant.	Colour Colourless
Specific Gravity 0.785	Vapour Density (air = 1) Unknown	Flash Point (° C) Closed cup: 13
Evaporation Rate High (Unknown specific)	Boiling Point (° C) 82.5	Freezing Point (° C) -89
pH 7	Explosive Limits 2.0–12.7%	[Solubility in Water] Miscible in water
Highly flammable and explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and heat		

SECTION 10 — STABILITY AND REACTIVITY

Reactivity	Reacts violently with hydrogen + palladium combination, nitroform, oleum, COCl ₂ , aluminum triisopropoxide, oxidants Incompatible with acetaldehyde, chlorine, ethylene oxide, isocyanates, acids, alkaline earth, alkali metals, caustics, amines, crotonaldehyde, phosgene, ammonia. Isopropyl alcohol reacts with metallic aluminum at high temperatures. Isopropyl alcohol attacks some plastics, rubber, and coatings. Vigorous reaction with sodium dichromate + sulfuric acid
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur
Conditions to avoid	Heat, Ignition sources, incompatible materials
Incompatible materials	May attack some forms of plastic, rubber and coating
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of acute exposure	May cause mild skin irritation, and sensitization. Eyes: Can cause eye irritation. Inhalation: Breathing in small amounts of this material during normal handling is not likely to cause harmful effects. However, breathing large amounts may be harmful and may affect the respiratory system and mucous membranes (irritation), behavior and brain (Central nervous system depression - headache, dizziness, drowsiness, stupor, incoordination, unconsciousness, coma and possible death), peripheral nerve and sensation, blood, urinary system, and liver. Ingestion: Swallowing small amounts during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. Swallowing large amounts may cause gastrointestinal tract irritation with nausea, vomiting and diarrhea, abdominal pain. It also may affect the urinary system, cardiovascular system, sense organs, behavior or central nervous system (somnolence, generally depressed activity, irritability, headache, dizziness, drowsiness), liver, and respiratory system (breathing difficulty)
Effects of chronic exposure	General: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis Carcinogenicity : No known significant effects or critical hazards. Mutagenicity : No known significant effects or critical hazards. Teratogenicity : No known significant effects or critical hazards. Not available. Developmental effects : No known significant effects or critical hazards. Fertility effects : No known significant effects or critical hazards.

SECTION 12 — ECOLOGICAL INFORMATION

Product/ingredient name	Result	Species	Exposure
Isopropyl Alcohol	Acute LC50 1400000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 4200 mg/l Fresh water	Fish - Rasbora heteromorpha	96 hours

SECTION 13 — DISPOSAL CONSIDERATIONS





Waste treatment methods

Methods of disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations
Hazardous waste	The classification of the product may meet the criteria for a hazardous waste

Packaging

Methods of disposal	The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally.

SECTION 14 — TRANSPORT INFORMATION

	ADR/RID	ADN	IMDG	IATA
UN number	UN1219	UN1219	UN1219	UN1219
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol)	FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol)	FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol)	FLAMMABLE LIQUID, N.O.S. (Isopropyl alcohol)
Transport hazard class(es)	3 	3 	3 	3 
Packing group	II	II	II	II
Environmental hazards	No	No	No	No

Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not available.

SECTION 15 - REGULATORY INFORMATION

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation None of the components are listed
Substances of very high concern None of the components are listed

Other EU regulations **Europe inventory** All components are listed or exempted.
Integrated pollution prevention and control list (IPPC) - Air Listed

Seveso Directive - This product is controlled under the Seveso Directive.

Danger Criteria

P5c: Flammable liquids 2 and 3 not falling under P5a or P5b
C7b: Highly flammable (R11)

SECTION 16 — OTHER INFORMATION

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Flam. Liq. 2, H225 Eye Irrit. 2, H319	On basis of test data Calculation method

Full text of classifications [CLP/GHS]	Eye Irritation 2 - H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 Flammable Liquid 2 - H225 FLAMMABLE LIQUIDS - Category 2
[H Statements]	Narcotic effects - H336 May cause drowsiness or dizziness

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein, Nor do we or any other of our parties accept liability for loss of profits based on calculations of the the contents of this MSDS.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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