

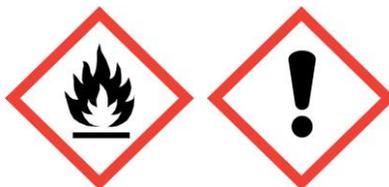
PRODUCT: SaniGel

CODE: 4352

SECTION 01: IDENTIFICATION

Supplier identifier..... Brodi Specialty Products Ltd.
3175 14th Avenue, Unit 1
Markham, Ontario
Canada
L3R 0H1
905-475-6084

Product identifier..... SaniGel
Product code..... 4352
Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).
Product use..... Hand sanitizer.

SECTION 02: HAZARD IDENTIFICATION

According to Hazardous Products
Regulations (HPR) (SOR/2015-17)

Hazard classification..... Flammable Liquids — Category 2. Eye Irritation — Category 2A.
Signal word..... DANGER.
Hazard statement..... H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking. P233 Keep container tightly closed. P280 Wear eye protection. P370+P378:
In case of fire: Use water to extinguish. 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. P403+P235
Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container to an
approved waste disposal plant.

Other hazards..... None.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Isopropyl alcohol	67-63-0	60-65

SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary. Never give anything by mouth to an unconscious person.

Skin contact..... Rinse skin thoroughly with plenty of water. If irritation develops, get medical aid.

Eye contact..... Promptly flush with large amounts of cold water for at least 15 minutes. If irritation persists, consult a physician.

Most important symptoms and effects, both acute and delayed
Medical attention and special treatment.... The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.
Treat symptomatically. Symptoms may be delayed.

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media..... Use water spray or fog, foam, carbon dioxide or dry chemical. Do not use water jet as an extinguisher, as this will spread the fire.

Hazardous combustion products..... Carbon oxides.

Special protective equipment and precautions Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Containers may explode when heated .

Sensitivity to static discharge..... Expected to be sensitive. Take precautionary measures against static discharge.

Sensitivity to mechanical impact..... Product is not sensitive to mechanical impact.

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SECTION 05: FIRE-FIGHTING MEASURES

Further information..... Closed containers may explode when exposed to extreme heat. Contaminated extinguishing water must be disposed of in accordance with official regulations. Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back . In a fire or if heated, a pressure increase will occur and the container may burst.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Wear protective equipment: goggles, chemically resistant clothing and gloves, and appropriate respirator if in a confined area. 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions..... Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods and materials for containment and cleaning up Contain and absorb spilled liquid with non combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal. Flush with water. Do not flush into surface water or sanitary sewer system. Do not place into containers where ignition sources such as cigarettes or other ignition sources may be discarded. Contaminated absorbent material may pose the same hazards as the spilled product.

SECTION 07: HANDLING AND STORAGE

Handling precautions..... Use only with adequate ventilation. Avoid contact with eyes. Avoid breathing vapors. Do not smoke when handling. Keep container closed when not in use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools.

Storage needs..... Keep in a dry, cool and well-ventilated place. Keep away from sources of ignition - No Smoking. Keep away from incompatible materials.

Materials to avoid..... Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS I PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
Isopropyl alcohol	200 ppm	400 ppm	400 ppm	500 ppm	not available
Engineering controls.....	Good general ventilation (typically 10 air changes per hour) should be used .				
Individual protection measures					
Eye/type.....	Safety glasses with side-shields.				
Gloves/type.....	None required under normal conditions of use .				
Respiratory/type.....	Generally not required. Wear respiratory protection if ventilation is inadequate.				
Clothing/type.....	If splashing is possible, wear chemically resistant protective clothing.				
Footwear/type	Suitable protective footwear.				
Hygiene measures.....	Not required.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance..... liquid. clear.

Color..... alcohol-like.

Odour..... not available.

Odour threshold..... 6.5-7.5.

pH..... not applicable.

Melting point (°C)..... < 0.

Freezing point (°C)..... 83.

Initial boiling point (°C)..... 21.

Flash point (°C), Method..... not available.

Evaporation rate..... 12.5.

Upper flammability limit (% vol)..... 2.

Lower flammability limit (% vol)..... not available.

Vapour pressure (mm Hg)..... > 1.

Vapour density (air=1)..... 0.85.

Relative density/Specific Gravity..... soluble.

Water solubility..... not available.

Solubility in other solvents..... not available.

Partition coefficient — n-octanol/water..... > 200 °C.

Auto ignition temperature (°C)..... not available.

Thermal decomposition temperature..... thick liquid.

Viscosity.....

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SECTION 10: STABILITY AND REACTIVITY

Reactivity.....	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability.....	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions.....	No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
Conditions to avoid.....	Avoid heat and open flame. Exposure to sunlight. Do not mix with other chemicals. Keep away from heat. Keep away from sources of ignition. Keep away from incompatibles such as oxidizing agents.
Incompatible materials.....	Strong oxidizing agents.
Hazardous decomposition products.....	No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Isopropyl alcohol	41.7 mg/l (inhalation-rat, 4h)	4,720 mg/kg (oral-rat); 12,890 mg/kg (dermal-rabbit)
Routes of exposure		
Inhalation.....	High concentrations of vapors may be irritating to the respiratory tract. May cause headaches, dizziness, nausea and vomiting.	
Ingestion.....	Ingestion of this product may cause nausea, vomiting and diarrhea.	
Skin contact.....	Prolonged or repeated contact may dry skin and cause irritation.	
Eye contact.....	Contact may cause eyes irritation.	
Acute effects		
Acute oral toxicity.....	Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.	
Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.	
Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. Exposure time: 4 h. Virtually nontoxic by inhalation. Method: calculation method.	
Skin corrosion/irritation.....	Non-irritant.	
Serious eye damage/eye irritation.....	Result: Serious eye irritation.	
Respiratory or skin sensitisation.....	Non-sensitizing.	
Specific target organ toxicity (STOT) single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.	
Aspiration hazard.....	No aspiration hazard expected.	
Chronic toxicity/effects		
Specific target organ toxicity (STOT) repeated exposure	No known significant effects or critical hazards.	
Carcinogenicity.....	No carcinogenic substances as defined by IARC, NTP, OSHA and/or ACGIH.	
Reproductive toxicity.....	No known significant effects or critical hazards.	
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.	
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.	
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	Not expected to be harmful to aquatic organisms.
Persistence and degradability.....	Biodegrades readily under aerobic and anaerobic conditions. No tendency to bioaccumulate.
Bioaccumulative potential.....	No data available.
Mobility in soil.....	No data available.
Other adverse effects.....	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	
Waste disposal of substance.....	Dispose of in accordance with national, state and local regulations.
Container disposal	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14: TRANSPORT INFORMATION

TDG classification.....	UN1219, Isopropanol solution, Class 3, PGII. Not regulated in containers with capacity less than 1 litre.
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SECTION 15: REGULATORY INFORMATION

WHMIS regulatory status..... This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.

SECTION 16: OTHER INFORMATION

Disclaimer..... The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

Prepared by: CanChem Consultant
Preparation date..... 2020-03-09