Safety Data Sheet Cover Sheet

Product Name: Home Essentials Isopropyl Alcohol 50ml

Date of Issue: 07/07/2021

API Consumer Brands repacks 100% Isopropyl Alcohol supplied by DKSH as "Home Essentials Isopropyl Alcohol 50ml". These two pages are to be considered part of/supplementary to the SDS from our supplier DKSH. Please refer to the suppliers SDS for full safety information related to Isopropyl Alcohol.

Company Name: API Consumer Brands
14-16 Norman Spencer Drive
PO Box 76 401
Manukau City
Auckland 2241
New Zealand
Phone: 09 279 7979 Fax: 09 279 7999
www.api.net.nz

Emergency Phone Number: National Poisons Centre 0800 764 766

Classified as Hazardous and a Dangerous good according to New Zealand regulations

Hazard Classification	 3.1B Flammable Liquid 6.1E (Oral) Substances that are acutely toxic 6.3B Substances that are mildly irritating to the skin 6.4A Substances that are irritating to the eye.
Hazard Statements and Precautionary Statements.	Warnings: Keep out of reach of children. Read label before use. Highly Flammable liquid and vapour. Keep away from sources of ignition. May be harmful if swallowed. Causes mild skin irritation. Keep container tightly closed in a cool, well ventilated place.

	Highly Flammable liquid and vapour. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Ground/bond container and receiving equipment Use non-sparking tools Take precautionary measures against static discharge. Keep container tightly closed. In case of fire use Foam, Dry Chemical or Carbon Dioxide. Wear protective clothing, gloves, eye and face protection. Wash hands, face and all exposed skin thoroughly after handling. May be harmful if swallowed. Wash hands, face and all exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. If swallowed: Call a Doctor or National Poisons Centre if you feel unwell. Rinse mouth. If medical advice is needed: Have container at hand. Causes mild skin irritation. Wear protective clothing, gloves, eye/face protection Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice. Causes serious eye irritation. Wear protective clothing, gloves, eye/face protection Wash hands thoroughly after handling. If in eyes: Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice.

DKSH

SAFETY DATA SHEET

isoPropyl Alcohol

Infosafe No.: X001M
Version No.: 4.2
ISSUED Date : 24/02/2017
ISSUED by: DKSH Performance Materials New Zealand Limited

1. IDENTIFICATION

GHS Product Identifier
isoPropyl Alcohol

Product Code
110846592

Company Name
DKSH Performance Materials New Zealand Limited

Address
119 Carbine Road, Mt Wellington, Auckland, 1060
NEW ZEALAND

Telephone/Fax Number
Telephone: +64 9 884 6380

Emergency phone number
0800 154 666

E-mail Address
compliance.axieo@dksh.com

Recommended use of the chemical and restrictions on use
Industrial application, solvent, cleaning agent, coating, lubricant, water treatment, laboratory chemicals

Sector of Use
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU22 Professional uses: Public domain
SU21 Consumer uses: Households/general public /Consumer

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.
3.1B Flammable liquid: high hazard
6.1E (Oral) - Substance that is acutely toxic
6.3B Substance that is mildly irritating to the skin
6.4A Substance that is irritating to the eyes

Signal Word (s)
DANGER

Hazard Statement (s)
H225 Highly flammable liquid and vapour.
H303 May be harmful if swallowed.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.

Pictogram (s)
Flame,Exclamation mark

Precautionary statement – Prevention
P102 Keep out of reach of children.
P103 Read label before use.
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.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response
P101 If medical advice is needed, have product container or label at hand.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction.

Precautionary statement – Storage
P403+P235 Store in a well-ventilated place. Keep cool.

Precautionary statement – Disposal
P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Propan-2-ol	67-63-0	100 %

4. FIRST-AID MEASURES

Inhalation
If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion
Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin
Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

Eye contact
If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

First Aid Facilities
Eyewash, safety shower and normal washroom facilities.

Advice to Doctor
Treat symptomatically.

Other Information
For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (0800 764 766)

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.

Unsuitable Extinguishing Media
Do not use water jet.

Hazards from Combustion Products
Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

Specific Hazards Arising From The Chemical
Highly flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard. Vapours are heavier than air and spread at floor level.

Decomposition Temperature
Not available

Precautions in connection with Fire
Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers tightly closed. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

Storage Temperatures
5-25°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Propan-2-ol	NZ OELs List	TWA	400	ppm	
Propan-2-ol	NZ OELs List	TWA	983	mg/m3	
Propan-2-ol	NZ OELs List	STEL	500	ppm	
Propan-2-ol	NZ OELs List	STEL	1230	mg/m3	

Biological Limit Values
Name:2-Propanol
Determinant: Acetone in urine
BEI®: 40mg/l
Sampling time: end of shift at end of work week.

Source: American Conference of Industrial Hygienists (ACGIH)

Appropriate Engineering Controls
This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.
Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

Respiratory Protection
If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.
Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection
Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.
Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection
Wear gloves of impervious material such asnitrile rubber, nitrile butadiene rubber, neoprene, PVC, natural rubber.
Breakthrough time: >=480 minutes.

Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.
Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection
Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
Liquid

Appearance
Clear liquid.

Colour
Not available

Odour
Slight alcoholic odour

Decomposition Temperature
Not available

Melting Point
-90°C

Boiling Point
82°C

Solubility in Water
100g/100mL Fully miscible

pH
Not available

Vapour Pressure
60.2hPa (25°C)
43kPa (20°C)

Vapour Density (Air=1)
2 (20°C)

Evaporation Rate
2.50 (n-Butyl acetate=1)

Odour Threshold
Not available

Viscosity
Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity

Volatile Component
100%

Partition Coefficient: n-octanol/water
Not available

Density
0.7855 g/cm^3 (20°C)
791 kg/m^3 (bulk density)

Flash Point
12°C (Closed Cup)

Flammability
Flammable

Auto-Ignition Temperature
399-425°C

Flammable Limits - Lower
2% by volume

Flammable Limits - Upper
12% by volume

Explosion Properties
Product is not explosive. Explosive gas-air vapour mixtures may form.

Oxidising Properties
Not available

Kinematic Viscosity
Not available

Dynamic Viscosity
2.5 mPas (20°C)

10. STABILITY AND REACTIVITY

Reactivity
Refer to Section 10: Possibility of hazardous reactions

Chemical Stability
Stable under normal conditions of storage and handling.

Conditions to Avoid
Heat, open flames and other sources of ignition.

Incompatible materials
Strong oxidising agents. Strong acids and bases. Aluminium. Amines.

Hazardous Decomposition Products
Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon dioxide and carbon monoxide.

Possibility of hazardous reactions
Reacts with strong acids, strong oxidising agents.

Hazardous Polymerization
Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information
Toxicity data for material given below.

Acute Toxicity - Oral
LD50 (rat): 5045 - 5840 mg/kg

Acute Toxicity - Inhalation
LC50 (rat): 16000 ppm/8h
LC50 (rat): >10000 ppm/6h

Acute Toxicity - Dermal
LD50 (rabbit): 12800 mg/kg

Ingestion
May be harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

Inhalation
Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Skin
Causes mild skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

Eye
Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Respiratory sensitisation
Not expected to be a respiratory sensitiser.

Skin Sensitisation
Not expected to be a skin sensitiser.

Germ cell mutagenicity
Not considered to be a mutagenic hazard.

Carcinogenicity
Not considered to be a carcinogenic hazard.

Propan-2-ol is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

Reproductive Toxicity
Not considered to be toxic to reproduction.

STOT-single exposure
Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure
Not expected to cause toxicity to a specific target organ.

Aspiration Hazard
Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The available ecological data is given below.

Persistence and degradability
95% biodegradability in 21 days
Result: readily biodegradable
OECD test guideline 301E

Mobility
Not available

Bioaccumulative Potential
Not expected to be bioaccumulative
Bioconcentration Factor (BCF): >70%

Other Adverse Effects
Not available

Environmental Protection
Do not discharge this material into waterways, drains and sewers.

Acute Toxicity - Fish
LC50 (Pimephales promelas): 9640mg/l/96h

Acute Toxicity - Daphnia
EC50 (Daphnia magna): >100 mg/l/24h

Acute Toxicity - Algae
EC50 (Scenedesmus subspicatus): >1000 mg/l/72h

Acute Toxicity - Other Organisms
EC50 (Activated sludge): >1000 mg/l

13. DISPOSAL CONSIDERATIONS

Disposal considerations
Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.
Product Disposal:
Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a flammable substance and therefore can be sent to an approved high temperature incineration plant for disposal. Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed. Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected. In New Zealand, the disposal agency or contractor must

comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.
Container Disposal:
The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service. Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous. In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

14. TRANSPORT INFORMATION

Transport Information
This product is classified as Dangerous Goods Class 3 Flammable Liquids
Must not be loaded in the same freight container or on the same vehicle with:
Class 1: Explosives
Division 2.1: Flammable gases
Division 2.3: Toxic gases
Division 4.2: Spontaneously combustible substances
Division 5.1: Oxidising substances
Division 5.2: Organic peroxides
Class 7: Radioactive materials unless specifically exempted
Must not be loaded in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:
Division 4.3: Dangerous when wet substances
Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:
Division 4.2: Spontaneously combustible substances
Division 4.3: Dangerous when wet substances
Division 5.1: Oxidising substances
Division 5.2: Organic peroxides

U.N. Number
1219

UN proper shipping name
ISOPROPANOL

Transport hazard class(es)
3

Packing Group
II

Hazchem Code
•2YE

UN Number (Air Transport, ICAO)
1219

IATA/ICAO Proper Shipping Name
ISOPROPANOL

IATA/ICAO Hazard Class
3

IATA/ICAO Packing Group
II

IATA/ICAO Symbol
Flammable Liquid

IMDG UN No
1219

IMDG Proper Shipping Name
ISOPROPANOL

IMDG Hazard Class
3

IMDG Pack. Group
II

IMDG Marine pollutant
No

IMDG EMS
F-E,S-D

Transport in Bulk
Not available

Special Precautions for User
Not available

15. REGULATORY INFORMATION

Regulatory information
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
HSNO (CCID) Name: 2-Propanol

HSNO Approval Number
HSR001180

16. OTHER INFORMATION

Date of preparation or last revision of SDS
SDS Reviewed: February 2017, Supersedes: February 2012

References
Workplace Exposure Standards and Biological Exposure Indices.
Transport of Dangerous goods on land NZS 5433.
Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).
Assigning a hazardous substance to a group standard.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

Contact Person/Point
IMPORTANT ADVICE: An SDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. The information contained in this SDS is believed to be correct but is not guaranteed. Prior to using the product(s) referred to in this SDS, each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the supplier listed in section 1 of the SDS. 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. DKSH Performance Materials does not accept any other liability either directly or indirectly for any losses suffered in connection with the use and application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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END OF SDS