

SAFETY DATA SHEET**PRODUCT AND COMPANY IDENTIFICATION:****Aerelle Hand Sanitiser Alcohol Gel**

A waterless antimicrobial hand cleaner and sanitiser.
NZFSA Approved C54 (all animal product except dairy).

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MSDS EFFECTIVE DATE: 5 August 2008

MSDS PRINT DATE: 15 May 2009

HAZARD IDENTIFICATION:

Hazardous Substances (HSNO) Act 1996 and Classification Regulations 2001 for the product of this concentration:

3.1B Highly flammable liquid and vapour.

6.4A Causes eye irritation.

9.1D May be harmful to aquatic life.

Cosmetic Product Group Standard. HSR No. 2552.

COMPOSITION & INFORMATION ON INGREDIENTS:

Ethanol 95%	790 ml per litre.
Thickener	< 2 %
Emollients	< 2 %
Water	10 – 20 %

FIRST AID MEASURES:

Contact with eyes: Immediately rinse eyes with running water for 5 minutes. If irritation persists seek medical advice.
Contact with skin: Remove contaminated clothing and wash affected area with copious volumes of water.
After inhalation: If subject to vapourisation remove patient from exposure and if discomfort persists seek medical advice.
After ingestion: Do Not Induce Vomiting. Administer 2 glasses of water and if discomfort persists seek medical advice.
Advice to Doctor: The product is not toxic. Treat symptomatically.

FIRE FIGHTING MEASURES:

This product will form flammable mixtures with air when vapourised Isolate, or avoid, ignition sources (electrical and fire).
Containers subject to heat from a fire may explode scattering burning contents. Where possible remove containers from the path of the fire.
Otherwise cool with water spray to avoid heating.
Firefighters wear SCBA and chemical resistant suits.
Foam, CO₂, or chemical dry powder to extinguish a local fire. Water spray on large fires only. No water jets.

ACCIDENTAL RELEASE MEASURES:

This product will form flammable mixtures with air when vapourised Isolate, or avoid, ignition sources (electrical and fire).
Containers subject to heat from a fire may explode scattering burning contents. Where possible remove containers from the path of the fire.
Otherwise cool with water spray to avoid heating.
Firefighters wear SCBC and chemical resistant suits.
Foam, CO₂, or chemical dry powder to extinguish a local fire. Water spray on large fires only. No water jets.

HANDLING AND STORAGE:

Store drums and carboys with secure closures, in sites where they can be kept cool and away from heat and ignition sources.
Storage in HSNO defined Hazardous Substance Locations and Transit Depots is required for Class 3.1B products where greater than 100 litres is stored in 20 litre carboys and 200 litre drums, and greater than 250 litres is stored in 5 litre jerries.
Handle to prevent damage to containers. Should packaging be damaged, repack into clean and dry containers of the same type and mark the product name carefully on the container.
Always replace lids and caps after using the product. Return all packages to safe storage as soon as possible after use.

EXPOSURE CONTROLS & PERSONAL PROTECTION:

Exposure controls: No data is available for this product. WES for ethanol TWA 1 ml/cu m.
 Eye protection: Wear safety glasses when decanting large quantities.
 Protective clothing: Normal use does not require any special clothing protection.
 Respiratory protection: No special requirement.
 Ventilation: No special requirement.

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance Transparent clear non-coloured liquid
Odour Not perfumed. Characteristic of ethanol
pH 20 % solution 7.0 ± 0.5
Flash Point 20° C
Ignition Point > 360° C
Specific Gravity 0.86 ± 0.01
Refractive Index 1.366 ± 0.005 21½ Bx
Viscosity 5000 – 6000 mPas at 20° C
Foam None
Solubility in water Completely in all proportions

STABILITY AND REACTIVITY:

Aerelle Hand Sanitiser alcohol gel is considered stable in normal use. Avoid contamination with oxidising substances. Hazardous polymerisation will not occur. Combustion will release oxides of carbon and nitrogen.

TOXICOLOGICAL INFORMATION:

No data is available for this product.
 Ethanol: Oral LD50 Rat 7060 mg/kg.

ECOLOGICAL INFORMATION:

No data is available for this product.
 Ethanol: LC50 rainbow trout 11,200 mg/l 24 hr.
 Ethanol is non-bioaccumulative and classed Readily Biodegradable according to the European Union Detergents Regulations #648/2004.

DISPOSAL CONSIDERATIONS:

The product, suitably diluted, may be disposed of through town wastewater systems where these are authorised for industrial use. Otherwise dispose of in accordance with local regulations by recognised waste disposal experts. Landfill is the preferred method. Used containers should be rinsed, not recycled, but disposed of through landfill or incineration.

TRANSPORT INFORMATION:

NZ Land Transport Rule: Dangerous Goods Rule 2005	Classified as Dangerous Goods for Land Transport in New Zealand.
UN Number:	1170
Dangerous Goods Class:	3.1
Proper Shipping Name:	Ethanol and ethanol solutions
Hazchem Group:	2Y
Packing Group:	II

NZ REGULATORY INFORMATION:

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OTHER INFORMATION:

Formulation reference and version number: R8 – 182 Version 1.
 This SDS was prepared from data available on 5 August 2008.
 This SDS was printed on 15 May 2009.
 This SDS will be reviewed no later than 5 August 2013.

END OF THIS SAFETY DATA SHEET