



SAFETY DATA SHEET

PRODUCT NAME: SUPER-QUAT 50

March 20

IDENTIFICATION

Product Name: Super-Quat 50
Other Names: Benzyl-C12-16-alkyldimethylammonium chloride
Product Code: KSQ5020, KSQ505, KSQ502
Uses: Disinfectant/surface cleaner
Supplier: HamChem Hamilton Chemicals Ltd, 75 Ruffell Rd, Hamilton
Phone: 07 974 4971 Web: www.hamchem.co.nz Email: info@hamchem.nz

- In emergency dial 111, and then ask for Fire, Ambulance or Police as necessary.
- In case of poisoning phone National Poisons Centre – 0800 764 766

HAZARD IDENTIFICATION



Signal Word: Warning

Hazard Statements:

H303 – Harmful if swallowed
H315 – Causes skin irritation
H319 – Causes serious eye irritation
H433 – Harmful to terrestrial vertebrates

Precautionary Statements:

Prevention
P102 – Keep out of reach of children.
P103 – Read label before use.
P104 – Read Safety Data Sheet before use.
P264 – Wash all affected areas of the body thoroughly after use.
P270 – Do not eat, drink or smoke when using this product.
P273 – Avoid release to the environment.
P280 – Wear protective clothing/gloves/eye protection/face protection.

Response

P101 – If medical advice is needed, have product container or label at hand.
P330 – Rinse mouth.
P331 – Do NOT induce vomiting.
P338 – Remove contact lenses, if present and easy to do so. Continue rinsing.
P362 – Take off contaminated clothing and wash before re-use.
P301+P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 – If skin irritation occurs: Get medical advice/ attention.
P337 + P313 – If eye irritation persists: Get medical advice/attention.

Recommendations, suggestions or statements made in the bulletins are intended for the assistance of our customers. They are based upon our experience and judgement but must not be regarded as amounting to a legal warranty or as involving any liability on our part and must be read in conjunction with and subject to our Conditions of Sale which apply to goods supplied by us.

HamChem Ltd, 75 Ruffell Rd, Hamilton, New Zealand. Phone 07 974 4971 E-Mail - info@hamchem.nz www.hamchem.nz

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Disposal

P501 – Dispose of contents and container in accordance with relevant legislation.

COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
Benzyl-C12-16-alkyldimethylammonium chloride	68424-85-1	50
Balance of components (deemed non-hazardous)		50

FIRST AID MEASURES

If swallowed: Rinse mouth. Do NOT induce vomiting. Call a Poison Centre or Doctor if you feel unwell. May cause chemical burns in mouth and throat.

If on skin: Wash skin immediately with soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse.

If inhaled: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or Doctor if you feel unwell.

If in eyes: Immediately rinse eyes with running water. Remove contact lenses (if present) and continue flushing. Get medical advice/attention.

Note to Physician: Treat symptomatically.

FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Compatible with all usual extinguishing media.

Extinguishing Media that must not be used for Safety Reasons: High volume water jet.

Special Hazards from the substance itself, its combustion products or from its vapours: In the event of fire, toxic fumes are emitted.

Special Protective Equipment for Firefighting: Firefighters should use self-contained breathing apparatus (SCBA) and protective clothing.

Further Information: 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. Vigorous flushing with water will cause foam.

ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Do not discharge into the subsoil/soil. Do not allow to enter water courses or drains.

Methods for Cleaning Up: Remove leaking containers to a detached area. Bund spill area and recover – consider recycling. Contain spill with inert material. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed, labelled containers for disposal.

Additional Information: Floors will become slippery. Vigorous flushing may generate copious foam. Must not be released into sewers, drains or wells. Personnel involved in clean-up require adequate respiratory, skin and eye protection in case of large spillage. Use water to clean equipment.

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HANDLING & STORAGE

Handling advice: The product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with government regulations. Ensure adequate ventilation. Avoid direct contact with the substance. Read label before use.

Storage advice: Keep container tightly closed in a dry, well-ventilated place. Avoid elevated temperatures. Reacts with copper, aluminum, zinc and their alloys.

EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure standards: NZ Workplace Exposure Standards (WES) have not been established for this substance.

Engineering controls: Ventilation: In processes where mists or vapours may be generated, proper ventilation must be provided in accordance with good ventilation practices. Provide eyewash station and safety shower.

Personal protective equipment: Respiratory Protection – If working in a confined space where ventilation is limited or a visible mist is being generated use approved half face respirator with combination cartridge filters, suitable for vapours. Eye Protection – Safety glasses/goggles or face shield. Hand Protection – Suitable protective gloves (nitrile rubber or butyl-rubber). Skin/Body Protection – Protective clothing, PVC apron and boots or full overalls.

PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Colourless to pale yellow liquid.
Odour:	Slight almond.
Specific Gravity:	0.98g/mL @20°C
Solubility in water:	Soluble.
Flash point:	Not flammable.
Flammability limits:	N/A
Boiling point:	100°C
Melting point:	N/A
pH:	8.0

STABILITY & REACTIVITY

Stability: Stable at normal temperatures.

Incompatible Materials: Mild Steel, Copper alloys, Strong acids.

Thermal Decomposition: No decomposition if used as prescribed.

Hazardous decomposition products: Toxic organic vapours/fumes, amines, carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride.

Conditions to avoid: Avoid contact with strong oxidising/reducing agents.

Hazardous Reactions: No hazardous reactions when stored and handled according to prescribed instructions.

TOXICOLOGICAL INFORMATION

Toxicity data:

Acute oral toxicity (rat) LD50: 680 – 1050mg/kg

Acute dermal toxicity (rabbit) LD50: 3418mg/kg

Skin irritation severe irritant (rabbit): 80% active soln. 72 hours not reversed.
(rat): 6-10% repeated exposures 2 weeks.

Eye irritation severe irritant (rabbit): 80% active caused irritation that did not clear by day 3 post dose.

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Sensitisation: May cause skin and respiratory sensitisation.
Reproductive toxicity (rat): Not tetraoatogenic.
(rat): 2nd generation study – no neonatal/parental effects at 1000ppm, observed at 2000ppm.

Mutagenic Effects: No data, not expected.

Carcinogenic Effects: No data, not expected.

ECOLOGICAL INFORMATION

Ecotoxicity (Aquatic & Terrestrial): Considered to be very toxic to the aquatic environment.

LC50 Bluegill sunfish: 2.35ppm 96 hours (for closely related 80% product)
LC50 Rainbow trout: 7.8ppm 96 hours (for closely related 80% product)
LC50 Bobwhite quail: 2700ppm 8 days (for closely related 80% product)
LC50 Mallard Duck: >4500ppm 8 days (for closely related 80% product)

Persistence & degradability: Biodegradable in concentrations below 20ppm.

Mobility: Water – completely soluble

Additional Information: Avoid contaminating waterways. Do not allow material to enter drains or waterways.

DISPOSAL CONSIDERATIONS

Product: Dispose of in accordance with local authority regulations. Disposal requirements for Class 8 & 9 – dispose of the substance in a landfill, incinerator, or a sewage facility if the landfill, incinerator, or sewage facility will treat the substance by changing the characteristics or composition of the substance so that the substance is no longer hazardous.

Packaging: Consider recycling or return to supplier for disposal.

TRANSPORT INFORMATION

Not regulated for transport of dangerous goods.

REGULATORY INFORMATION

HSNO Classifications: 6.1D (All), 6.1D (O), 6.3A, 6.4A, 9.3C
EPA Approval # HSR005068

OTHER INFORMATION

End of SDS.