

## SAFETY DATA SHEET

### Section 1: Identification of the Substance/Mixture and of Supplier

Product name:	Q-SAN MPI Approved C43 (All animal product except dairy)
Recommended use:	As a hospital grade disinfectant
Supplier:	Space Industries Limited
Street Address:	160 Plunket Ave,
	Wiri, Auckland
	New Zealand
Telephone Number:	+ 64 9 262 3902
Facsimile:	+ 64 9 262 3948
E-mail:	orders@spaceindustries.co.nz
Website:	www.spaceindustries.co.nz
Emergency Telephone	0800 764 766 (all hours)
Date of preparation:	06 August 2019

### Section 2: Hazards Identification

ERMA Approval Code:

HSR002530

Hazard Classification:

6.1D (oral), 6.3A, 6.4A, 9.3C

## Section 3: Composition/information on ingredients

Product Description: Component(s): CAS Number

Proportion

As a hospital grade disinfectant Benzalkonium chloride N-alkyl (C12-16) dimethyl benzyl ammonium chloride 68424-85-1 25%

### **Section 4: First Aid Measures**

Show this Safety Data Sheet to a Doctor

Inhalation:	If fumes or combustion products are inhaled, remove from contaminated area. Lay patient down, keep warm and rested. Remove prostheses (false teeth) prior to initiating first aid, where possible, this may block airway. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital or doctor. Inhalation of vapours or aerosois (mists/fumes) may cause lung oedema. Corrosive substances may cause
	lung damage (fluid in the lungs). Reaction may be delayed up to 24 hours after exposure, affected individuals need complete rest and must be kept under medical observation even if no symptoms are (yet) manifested. Before any such manifestation, the administration of a spray containing a dexamethasone derivative or beclomethasone derivative may be considered. This must definitely be left to a doctor or person authorised by him/her. (ICSC13719)



Skin Contact:	Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
Eye Contact:	Irrigate eyes with generous quantities of water for 15 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical attention.
Ingestion:	Urgent hospital treatment is likely to be needed. If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical attention immediately.
Notes for the Doctor:	Probable mucosal damage may contraindicate use of gastric lavage. Single dose of activated charcoal is the recommended gastrointestinal decontamination procedure Adult 50-100g, Child 1-2 g/kg.
For adv	vice, contact the Poisons Information Centre 0800 764 766 or a doctor

Section 5: Fire Fighting Measures	
Specific Hazards:	The product is not flammable. Hazardous products of combustion: Toxic organic vapours, amines, oxides of carbon and nitrogen & hydrogen chloride.
Suitable Extinguishing Media:	Extinguish fires with water spray, foam, carbon dioxide or dry chemical powder.
Fire-fighting advice:	Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.

Section 6: Accidental Release Measures	
Emergency Procedures	Spillages are slippery. Keep spectators away – rope off the area. Avoid accidents, clean up immediately. Ensure adequate ventilation. Wear protective equipment to prevent skin and eye contamination.
Methods and Materials for Containment and Clean Up	Carefully scoop up or shovel up uncontaminated product for re-use. Sweep up contaminated material and dispose of in an area approved by local authority by-laws.
	Do not flush down drain.

Section 7: Handling and Storage	
Handling: Storage:	<ul> <li>Ensure an eye bath and safety shower are available and ready for use.</li> <li>Observe good personal hygiene practices and recommended procedures.</li> <li>Do not breathe in dust.</li> <li>Wash hands thoroughly after handling.</li> <li>Do not eat, drink or smoke when using this product.</li> <li>Store away from foodstuffs.</li> <li>Avoid eye and skin contact.</li> <li>Keep only in original container.</li> <li>Store in a cool, dry, well-ventilated area.</li> </ul>



# SAFETY DATA SHEET

	<ul> <li>Keep containers tightly closed when not in use.</li> <li>Inspect regularly for deficiencies such as damage or leaks.</li> <li>Protect against physical damage.</li> </ul>
--	--

Section 8: Exposure Controls/Personal Protection	
Occupational Exposure Limits:	No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH).
Engineering Control Measures:	Use good industrial hygiene. Use in well ventilated area. Avoid breathing in vapours
Personal Protective	
Equipment:	Safety glasses with side shields. PVC gloves Safety footwear Waterproof apron

Section 9: Physical and Chemical Properties	
Physical state:	Liquid
Colour:	Colourless to pale yellow
Odour:	Slight almond
Boling/melting Point:	100°C
Solubility in water:	Soluble
Specific Gravity/Bulk	Not available.
Vapour Pressure:	Practically none
Flash Point (°C):	None
Percent Volatilise:	50% at 100°C
Flammability Limits:	Not available
Autoignition Temperature:	Not available
PH 1% Solution:	8

Section 10: Stability and Reactivity	
Stability:	Product is stable under normal conditions of use, storage and temperature.
	The product is fully soluble in water.
Avoid:	Contact with strong oxidising/reducing agents.
Hazardous decomposition products	Toxic organic vapours/fumes, amines, CO, CO2, nitrogen oxides, hydrogen chloride.

Section 11: Toxicological Information	
Ingestion:	Harmful if swallowed



# SAFETY DATA SHEET

Eye contact:	Corrosive to eyes may cause severe and permanent damage.
Skin contact:	Corrosive to skin.
Inhalation:	Capable of causing irritation.

Section 12: Ecological Information		
Environmental fate, persistence and	Avoid contaminating waterways.	
degradation:	Biodegradable in concentrations below 20 ppm.	
	12.2 Aquatic toxicity: LC50 Bluegill sunfish: 2.35 ppm 96 hrs (for closely related 80% product)	
	LC50 Rainbow trout: 7.8 ppm 96 hours (for closely related 80% product)	
	Avian toxicity: LC50 Bobwhite quail 2700 ppm 8 days (for closely related 80% product) LC50 Mallard duck >4500 ppm 8 days (for closely related 80% product)	

### Section 13: Disposal Considerations

• Recycle wherever possible. Special hazard may exist - specialist advice may be required.

Consult approved Waste Management Company for disposal options.

• Treat and neutralise residue at an approved site.

- Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.
- Puncture containers to prevent re-use and bury at an authorised landfill.

Do not incinerate.

### Section 14: Transport Information

**Road and Rail Transport:** Classified as a non - dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.

Section 15: Regulatory Information	
Classification:	6.1C, 6.5A, 6.5B, 6.9B, 8.2C, 8.3A, 9.1B, 9.3C

### Section 16: Other Information

.Issue Date: 06 August 2019

Note: All information given by Space Industries Ltd is offered in good faith and is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all information relevant to usage is offered without warranty or guarantee and should not be construed as a representation that the product is suitable for any particular purpose or application.