

Version No: 6.1.1.1 GHS Safety Data Sheet

Issue Date: 14/09/2015

S.GHS.IND.EN

# SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### **Product Identifier**

Product name	CETALKONIUM CHLORIDE				
Chemical Name	cetalkonium chloride				
Synonyms	Acinol, Ammonyx G, T, Baktonium, Banicol, Benzaletas, Benzyl dimethyl hexadecyl ammonium chloride, Benzylhexadecyldimethylammonium chloride, Bicetonium, Bonjela, C25-H46-N-Cl, C6H5CH2N(CH3)2(C16H33)Cl, CKC, Cdbac, Cetol, Cetyl Zephiran, Cetylon, Dehyquart CBB, CDB, Dmcbac, Pharycidin concentrate, Rodalon, Splian, Tetraseptan, USAN, WIN-357, Winzer Solution, Zettyn chloride, ammonium benzylhexadecyldimethyl-, chloride, ammonium benzyldimethylhexadecyl-, chloride, benzalkonium chloride family, benzenemethanaminium, N-hexadecyl-N,N-dimethyl-, chloride, benzyldimethylhexadecyl)dimethylammonium chloride, benzyldimethylcetylammonium chloride, benzyldimethylhexadecylammonium chloride, cetyldimethyl-benzylammon chloride, quaternary ammonium germicide				
Proper shipping name	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (contains cetalkonium chloride)				
Chemical formula	C25-H46-N .CI				
Other means of identification	Not Available				
CAS number	122-18-9				

### Relevant identified uses of the substance or mixture and uses advised against

# Relevant identified uses

The cationic surfactants alkyldimethylbenzylammonium chlorides (ADMBAC) and bromides (ADMBAB) are used in cosmetic products including hair conditioners and hair coloring preparations. Besides being surfactants and antistatic agents, the alkyldimethylbenzylammonium compounds function as biocides in various cosmetic and detergent products. The biocidal properties are utilised, when ADMBAC are added to all-purpose or specialised cleaning agents.

Structurally they may be represented by: C6H5CH2N(CH3)2R+.X-.

Cationic surfactant germicide and fungicide used in leather processing, textile dyeing; a mildew preventive in silicone based water repellents. Active in moderately alkaline solutions.

### Details of the supplier of the safety data sheet

Registered company name	S D FINE-CHEM LIMITED		
Address	315-317,T.V. INDUSTRIAL ESTATE,248, WORLI, 400030 MUMBAI India		
Telephone	91-22-24959898		
Fax	91-22-24937232		
Website	www.sdfine.com		
Email	technical@sdfine.com		

### **Emergency telephone number**

Association / Organisation	Not Available
Emergency telephone numbers	91-22-24959899
Other emergency telephone numbers	Not Available

# **SECTION 2 HAZARDS IDENTIFICATION**

### Classification of the substance or mixture

**GHS Classification** 

Metal Corrosion Category 1, Acute Toxicity (Oral) Category 4, Acute Toxicity (Dermal) Category 4, Skin Corrosion/Irritation Category 1B, Serious Eye Damage Category 1, Acute Aquatic Hazard Category 1

### Label elements

**GHS** label elements







SIGNAL WORD

DANGER

### Hazard statement(s)

H290	ay be corrosive to metals			
H302	ıful if swallowed			
H312	ful in contact with skin			
H314	auses severe skin burns and eye damage			
H318	Causes serious eye damage			
H400	Very toxic to aquatic life			

# Precautionary statement(s) Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray.		
P280	ear protective gloves/protective clothing/eye protection/face protection.		
P234	Keep only in original container.		
P270	Do not eat, drink or smoke when using this product.		
P273	Avoid release to the environment.		

# Precautionary statement(s) Response

P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.				
P303+P361+P353	IF ON SKIN (or hair): 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.				
P310	Immediately call a POISON CENTER/doctor/physician/first aider				
P363	Wash contaminated clothing before reuse.				
P390	Absorb spillage to prevent material damage.				
P391	Collect spillage.				
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.				
P302+P352	IF ON SKIN: Wash with plenty of water and soap				
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.				
P362+P364	Take off contaminated clothing and wash it before reuse.				

# Precautionary statement(s) Storage

P405	Store locked up
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# Precautionary statement(s) Disposal

P501 Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration

# SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

# **Substances**

CAS No	%[weight]	Name	GHS Classification	
122-18-9	>98	cetalkonium chloride	Metal Corrosion Category 1, Acute Toxicity (Oral) Category 4, Acute Toxicity (Dermal) Category 4, Skin Corrosion/Irritation Category 1B, Serious Eye Damage Category 1, Acute Aquatic Hazard Category 1; H290, H302, H312, H314, H318, H400	

# **Mixtures**

See section above for composition of Substances

### **SECTION 4 FIRST AID MEASURES**

Description of first a	id measures
Eye Contact	If this product comes in contact with the eyes:  Immediately hold eyelids apart and flush the eye continuously with running water.  Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.  Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.  Transport to hospital or doctor without delay.  Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin or hair contact occurs:  Immediately flush body and clothes with large amounts of water, using safety shower if available.  Quickly remove all contaminated clothing, including footwear.  Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre.  Transport to hospital, or doctor.
Inhalation	<ul> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>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.</li> <li>Transport to hospital, or doctor.</li> <li>Inhalation of vapours or aerosols (mists, fumes) may cause lung oedema.</li> <li>Corrosive substances may cause lung damage (e.g. lung oedema, fluid in the lungs).</li> <li>As this reaction may be delayed up to 24 hours after exposure, affected individuals need complete rest (preferably in semi-recumbent posture) and must be kept under medical observation even if no symptoms are (yet) manifested.</li> <li>Before any such manifestation, the administration of a spray containing a dexamethasone derivative or beclomethasone derivative may be considered.</li> <li>This must definitely be left to a doctor or person authorised by him/her. (ICSC13719)</li> </ul>
Ingestion	<ul> <li>For advice, contact a Poisons Information Centre or a doctor at once.</li> <li>Urgent hospital treatment is likely to be needed.</li> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> </ul>

# Indication of any immediate medical attention and special treatment needed

▶ Transport to hospital or doctor without delay.

For acute or short term repeated exposures to strong acids:

- Airway problems may arise from laryngeal edema and inhalation exposure. Treat with 100% oxygen initially.
- Respiratory distress may require cricothyroidotomy if endotracheal intubation is contraindicated by excessive swelling
- Intravenous lines should be established immediately in all cases where there is evidence of circulatory compromise.
- Strong acids produce a coagulation necrosis characterised by formation of a coagulum (eschar) as a result of the dessicating action of the acid on proteins in specific tissues.

### INGESTION:

- Immediate dilution (milk or water) within 30 minutes post ingestion is recommended.
- ▶ DO NOT attempt to neutralise the acid since exothermic reaction may extend the corrosive injury.
- Be careful to avoid further vomit since re-exposure of the mucosa to the acid is harmful. Limit fluids to one or two glasses in an adult.
- ▶ Charcoal has no place in acid management.
- ullet Some authors suggest the use of lavage within 1 hour of ingestion.

### SKIN:

- · Skin lesions require copious saline irrigation. Treat chemical burns as thermal burns with non-adherent gauze and wrapping.
- ▶ Deep second-degree burns may benefit from topical silver sulfadiazine.

### EYE:

- Eye injuries require retraction of the eyelids to ensure thorough irrigation of the conjuctival cul-de-sacs. Irrigation should last at least 20-30 minutes.

  DO NOT use neutralising agents or any other additives. Several litres of saline are required.
- Cycloplegic drops, (1% cyclopentolate for short-term use or 5% homatropine for longer term use) antibiotic drops, vasoconstrictive agents or artificial tears may be indicated dependent on the severity of the injury.
- Steroid eye drops should only be administered with the approval of a consulting ophthalmologist).

[Ellenhorn and Barceloux: Medical Toxicology]

For exposures to quaternary ammonium compounds;

# Page 4 of 10 CETALKONIUM CHLORIDE

- For ingestion of concentrated solutions (10% or higher): Swallow promptly a large quantity of milk, egg whites / gelatin solution. If not readily available, a slurry of activated charcoal may be useful. Avoid alcohol. Because of probable mucosal damage omit gastric lavage and emetic drugs.
- For dilute solutions (2% or less): If little or no emesis appears spontaneously, administer syrup of Ipecac or perform gastric lavage.
- If hypotension becomes severe, institute measures against circulatory shock.
- If respiration laboured, administer oxygen and support breathing mechanically. Oropharyngeal airway may be inserted in absence of gag reflex. Epiglottic or laryngeal edema may necessitate a tracheotomy.
- Persistent convulsions may be controlled by cautious intravenous injection of diazepam or short-acting barbiturate drugs. [Gosselin et al, Clinical Toxicology of Commercial Products]

#### **SECTION 5 FIREFIGHTING MEASURES**

### **Extinguishing media**

- ▶ Foam.
- ► Dry chemical powder.
- ► BCF (where regulations permit).
- ► Carbon dioxide.

### Special hazards arising from the substrate or mixture

Fire Incompatibility

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may
result

### Advice for firefighters

# Fire Fighting

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear full body protective clothing with breathing apparatus.
- ▶ Prevent, by any means available, spillage from entering drains or water course.
- Use fire fighting procedures suitable for surrounding area.

### Fire/Explosion Hazard

- ▶ Combustible.
- ▶ Slight fire hazard when exposed to heat or flame.
- Acids may react with metals to produce hydrogen, a highly flammable and explosive gas.
- ▶ Heating may cause expansion or decomposition leading to violent rupture of containers.

### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

### Personal precautions, protective equipment and emergency procedures

# Minor Spills

- ► Remove all ignition sources.
- Clean up all spills immediately.
- ▶ Avoid contact with skin and eyes.
- ▶ Control personal contact with the substance, by using protective equipment.

### Major Spills

- ► Clear area of personnel and move upwind.
- ▶ Alert Fire Brigade and tell them location and nature of hazard.
- Wear full body protective clothing with breathing apparatus.
- ▶ Prevent, by any means available, spillage from entering drains or water course.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

### **SECTION 7 HANDLING AND STORAGE**

### Precautions for safe handling

### Safe handling

- ▶ Avoid all personal contact, including inhalation.
- ► Wear protective clothing when risk of exposure occurs.
- ► Use in a well-ventilated area.
- Avoid contact with moisture.

### Other information

- ► Store in original containers.
- ▶ Keep containers securely sealed.
- ▶ Store in a cool, dry, well-ventilated area.
- ► Store away from incompatible materials and foodstuff containers.

### Conditions for safe storage, including any incompatibilities

### Suitable container

- ► DO NOT use aluminium or galvanised containers
- ▶ Check regularly for spills and leaks
- ▶ Lined metal can, lined metal pail/ can.
- ▶ Plastic pail.
- ► Polyliner drum.
- ▶ Packing as recommended by manufacturer.

### Storage incompatibility

- Reacts with mild steel, galvanised steel / zinc producing hydrogen gas which may form an explosive mixture with air.
- ▶ Segregate from alkalies, oxidising agents and chemicals readily decomposed by acids, i.e. cyanides, sulfides, carbonates.
- Avoid strong bases.













- X Must not be stored together
- May be stored together with specific preventions
- May be stored together

### SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Control parameters**

### OCCUPATIONAL EXPOSURE LIMITS (OEL)

### INGREDIENT DATA

Not Available

### **EMERGENCY LIMITS**

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
CETALKONIUM CHLORIDE	Not Available	Not Available	Not Available	Not Available
Ingredient	Original IDLH		Revised IDLH	
cetalkonium chloride	Not Available		Not Available	

### **Exposure controls**

# Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

# Personal protection











# Eye and face

- ▶ Chemical goggles.
- ► Full face shield may be required for supplementary but never for primary protection of eyes.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.

# Skin protection

protection

### See Hand protection below

- ► Wear chemical protective gloves, e.g. PVC.
- ► Wear safety footwear or safety gumboots, e.g. Rubber

### Hands/feet protection

### NOTE:

- ▶ The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
- ► Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.

### **Body protection**

# See Other protection below

### Other protection

- Overalls.
- ► PVC Apron.
- PVC protective suit may be required if exposure severe.
- Eyewash unit.

### Thermal hazards

# Not Available

# Recommended material(s)

# GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

'Forsberg Clothing Performance Index".

### Respiratory protection

Not Available

Not Applicable

The effect(s) of the following substance(s) are taken into account in the *computer-generated* selection:

CETALKONIUM CHLORIDE Not Available

Material	CPI
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- \* CPI Chemwatch Performance Index
- A: Best Selection
- B: Satisfactory; may degrade after 4 hours continuous immersion
- C: Poor to Dangerous Choice for other than short term immersion

**NOTE**: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

### **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

### Information on basic physical and chemical properties

Appearance Odourless white powder or crystals; soluble in water (8.5 g/l), alcohol, acetone, ethyl acetate, propylene glycol, sorbitol solutions, glycerol, ether, carbon tetrachloride. Compatible with alkalis and antihistamines.

Physical state	Divided Solid	Relative density (Water = 1)	Not available.
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not available.
pH (as supplied)	Not Applicable	Decomposition temperature	150-300
Melting point / freezing point (°C)	62	Viscosity (cSt)	Not Applicable
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	396.17
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Applicable	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not available.	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Negligible.
Vapour pressure (kPa)	Negligible.	Gas group	Not Available
Solubility in water (g/L)	Partly miscible	pH as a solution (1%)	7.2
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

### **SECTION 10 STABILITY AND REACTIVITY**

Reactivity	See section 7
Chemical stability	► Contact with alkaline material liberates heat
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

### **SECTION 11 TOXICOLOGICAL INFORMATION**

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### **CETALKONIUM CHLORIDE**

# Information on toxicological effects

mormation on toxico	nogical effects		
Inhaled	The material is not thought to produce adverse health effects following inhalation (as classified by EC Directives using animal models). Nevertheless, adverse systemic effects have been produced following exposure of animals by at least one other route and good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.  Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled.  If prior damage to the circulatory or nervous systems has occurred or if kidney damage has been sustained, proper screenings should be conducted on individuals who may be exposed to further risk if handling and use of the material result in excessive exposures.		
Ingestion	Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.  The material can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion.  Ingestion of acidic corrosives may produce burns around and in the mouth, the throat and oesophagus. Immediate pain and difficulties in swallowing and speaking may also be evident.		
Skin Contact	Skin contact with the material may be harmful; systemic effects may result following absorption.  The material can produce chemical burns following direct contact with the skin.  Open cuts, abraded or irritated skin should not be exposed to this material  Skin contact with acidic corrosives may result in pain and burns; these may be deep with distinct edges and may heal slowly with the formation of scar tissue.  Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.		
Еуе	The material can produce chemical burns to the eye following direct contact. Vapours or mists may be extremely irritating. If applied to the eyes, this material causes severe eye damage. Direct eye contact with acid corrosives may produce pain, tears, sensitivity to light and burns.		
Chronic	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.  There is some evidence that inhaling this product is more likely to cause a sensitisation reaction in some persons compared to the general population.  There is limited evidence that, skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population.  Long term exposure to high dust concentrations may cause changes in lung function i.e. pneumoconiosis; caused by particles less than 0.5 micron penetrating and remaining in the lung.		
	TOXICITY	IRRITATION	
cetalkonium chloride	Not Available	Eye (g.pig): 500 mg - moderate	
octainomain emoriae			: 150 mg mild
Legend:	Value obtained from Europe ECHA Registere     Unless otherwise specified data extracted from	-	
CETALKONIUM CHLORIDE	The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.  Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.		
Acute Toxicity	<b>*</b>	Carcinogenicity	0
Skin Irritation/Corrosion	<b>✓</b>	Reproductivity	0
Serious Eye Damage/Irritation	<b>✓</b>	STOT - Single	0
		Exposure	
Respiratory or Skin sensitisation	0	STOT - Repeated Exposure	0
•	0	STOT - Repeated	<ul><li>∅</li><li></li></ul>

- **Legend:** ✓ Data required to make classification available
  - 🗶 Data available but does not fill the criteria for classification
  - – Data Not Available to make classification

# **SECTION 12 ECOLOGICAL INFORMATION**

Very toxic to aquatic organisms.

Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters.

Wastes resulting from use of the product must be disposed of on site or at approved waste sites.

### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
cetalkonium chloride	HIGH	HIGH

### **Bioaccumulative potential**

Ingredient	Bioaccumulation
cetalkonium chloride	HIGH (LogKOW = 6.8925)

# Mobility in soil

Ingredient	Mobility
cetalkonium chloride	LOW (KOC = 7030000)

### **SECTION 13 DISPOSAL CONSIDERATIONS**

### Waste treatment methods

Product / Packaging disposal

- ▶ Containers may still present a chemical hazard/ danger when empty.
- Return to supplier for reuse/ recycling if possible.

#### Otherwise:

- If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
- ▶ Where possible retain label warnings and MSDS and observe all notices pertaining to the product.

### **SECTION 14 TRANSPORT INFORMATION**

### **Labels Required**



**Marine Pollutant** 



# Land transport (UN)

UN number	3261
Packing group	III
UN proper shipping name	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (contains cetalkonium chloride)
Environmental hazard	No relevant data
Transport hazard class(es)	Class 8 Subrisk Not Applicable
Special precautions for user	Special provisions 223;274 Limited quantity 5 kg

# Air transport (ICAO-IATA / DGR)

UN number	3261	
Packing group	III	
UN proper shipping name	Corrosive solid, acidic, organic, n.o.s. * (contains cetalkonium chloride)	
Environmental hazard	No relevant data	

	ICAO/IATA Class	8	
Transport hazard class(es)	ICAO / IATA Subrisk	Not Applicable	
ciass(es)	ERG Code	8L	
	Special provisions		A3A803
	Cargo Only Packing Instructions		864
	Cargo Only Maximum Qty / Pack		100 kg
Special precautions for user	Passenger and Cargo Packing Instructions		860
	Passenger and Cargo Maximum Qty / Pack		25 kg
	Passenger and Cargo Limited Quantity Packing Instructions		Y845
	Passenger and Cargo Limited Maximum Qty / Pack		5 kg

# Sea transport (IMDG-Code / GGVSee)

UN number	3261
Packing group	III
UN proper shipping name	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (contains cetalkonium chloride)
Environmental hazard	Not Applicable
Transport hazard class(es)	IMDG Class 8 IMDG Subrisk Not Applicable
Special precautions for user	EMS Number F-A , S-B Special provisions 223 274 Limited Quantities 5 kg

### **SECTION 15 REGULATORY INFORMATION**

Safety, health and environmental regulations / legislation specific for the substance or mixture

CETALKONIUM CHLORIDE(122-18-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

### **ECHA SUMMARY**

Ingredient	CAS number	Index No	ECHA Dossier
cetalkonium chloride	122-18-9	Not Available	Not Available

Harmonisation (C&L Inventory)	Hazard Class and Category Code(s)	Pictograms Signal Word Code(s)	Hazard Statement Code(s)
1	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1	GHS09, GHS05, Dgr	H302, H312, H314, H400
2	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Eye Irrit. 2	GHS09, GHS05, Dgr, Wng	H302, H312, H314, H400, H318

 $Harmonisation\ Code\ 1 = The\ most\ prevalent\ classification.\ Harmonisation\ Code\ 2 = The\ most\ severe\ classification.$ 

National Inventory	Status
Australia - AICS	Υ
Canada - DSL	Υ
Canada - NDSL	N (cetalkonium chloride)
China - IECSC	Υ
Europe - EINEC / ELINCS / NLP	Y
Japan - ENCS	Υ
Korea - KECI	N (cetalkonium chloride)
New Zealand - NZIoC	Υ
Philippines - PICCS	Υ

USA - TSCA	Y
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

# **SECTION 16 OTHER INFORMATION**

# Other information

The above information is believed to be accurate and represent the best information currently available to us, but does not represent any warranty expressed or implied of the properties of the product. User should make their own investigation to determine the suitability of the information for their particular purpose.