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G9 CHEMICALS



Specialists in Veterinary
Laboratory Supplies

Supplied By Vetlab Supplies Ltd

MATERIAL SAFETY DATA SHEET
G9 Surface Disinfectant Cleaner
(Ready to Use 1:100 Dilution)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME G9 Surface Disinfectant Cleaner – (Ready to Use 1:100 Dilution)
PRODUCT USES: Industrial & Institutional cleaner.

Supplier:

G9 Chemicals Ltd
Unit 5 Douglas Buildings
Lodge Road
Staplehurst, Tonbridge
Kent
TN12 0QZ
Contact 0044 (0)1580 895 141
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2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

EC Hazard Classification: According to Regulation EC No. 1272/2008 (CLP Regulation, GHS)

Classification under CLP: Skin Corr. 1B
Aquatic acute Tox. Cat 1
Oral: Cat 4
Dermal Cat 4

Hazard pictograms:



Signal words: WARNING

Hazard statements: H302: Harmful if swallowed.
H312: Harmful in contact with skin.

Precautionary Statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do not induce vomiting.
 P310: Immediately call a POISON CENTER or doctor/physician.
 P305+P351+P353: IF ON SKIN: (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water for several minutes.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P273: Avoid release to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

C10-C16 alkyl dimethyl benzyl ammonium chloride (predominantly C12-14):		
CAS NUMBER: 68424-85-1	Classification: H314: Causes severe skin burns and eye damage H400: Very toxic to aquatic life H302: Harmful if swallowed	Concentration:
EC NUMBER: 270-325-2	H312: Harmful in contact with skin	0.1 – 1.0%
Propan-2-ol		
		0.1 – 1.0%
CAS No: 67-63-0	Physical Health Environmental	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319;STOT Single 3 - H336 Not classified.
Alcohols, C10-16(Even numbered), ethoxylated		
		0.1 – 1.0%
CAS No: Not Available	Acute tox: 4 H302 Eye damage: 1 H318 Aquatic chronic 3 , H412	
(1E)-2-[6-[[amino-(E)-[amino-(4-chloroanilino)methylidene]amino)methylidene]amino]hexyl]-1-[amino-(4-chloroanilino)methylidene]guanidine;(2R,3S,4R,5R)-2,3,4,5,6-pentahydroxyhexanoic acid.		
CAS No. 18472-51-0 EC No. 242-354-0		< 0.1%
Acute Tox. 4 (Oral), H302		
1-propanaminium, 3-amino-n-(carboxymethyl)-n,ndimethyl-,N-(C12-18(even numbered))		
		<0.1%
EC: 931-513-6 CAS: 61789-40-0	Eye Dam. 1, H318	
Benzyl Alcohol		
		<0.1%
CAS-No. 100-51-6	Physical Not classified.	

EU Index No. 603-057-00-5 Health Acute Tox. 4 - H302;Acute Tox. 4 - H332
EC No. 202-859-9 Environmental Not classified.

2-Aminoethanol < 0.1%

EC No. 205-483-3
CAS-No. 141-43-5
EU Index No. 603-030-00-8
Acute Tox. 4 - H302;Acute Tox. 4 - H312;Acute
Tox. 4 - H332;Skin Corr. 1B - H314;STOT Single 3
- H335

N , N'- Ethylenediaminediacetic acid tetrasodium salt. < 0.1%

CAS Number 10378-23-1
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage.
Acute toxicity (Oral) Category 4
Serious eye damage/eye irritation Category 1

Cholorhexidine Digluconate < 0.1%

CAS Number 18472-51-0
Acute Tox. 4
(Oral), H302 Harmful if swallowed

acyl derivs.,hydroxides, inner salts Coco amides, N-[3-(dimethylamino)propyl] < 0.1%

CAS: 68140-01-2
Acute Tox. 4, , H302
Skin Corr. 1B, H314
Eye Dam. 1 H318
Aquatic Acute 1, H400

Water:

CAS NUMBER: 732-18-5 60 - 100%
EC NUMBER: 231-791-2

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

Remove exposed person to fresh air if exposure to fumes suspected. Keep warm and at rest. If unconscious, place in recovery position. Loosen clothing and maintain open airway. If breathing irregular/arrested, provide artificial respiration/oxygen by trained personnel. Obtain medical attention.

Ingestion : Wash out mouth with water. Give sips of water/milk only if conscious. Keep warm and at rest. Do not induce vomiting. If vomiting occurs, keep head low to prevent entry to lungs. If unconscious, place in recovery position. Loosen clothing and maintain open airway. If breathing irregular/arrested, provide artificial respiration/oxygen by trained personnel. Obtain urgent medical attention.

Skin Contact : Remove contaminated clothing/shoes. Wash contaminated skin thoroughly with soap and water. Continue rinsing for 10 min. Seek medical attention for chemical burns. Launder contaminated clothing before re-use.

Eye Contact : Immediately flush the eye with plenty of water for at least 15 minutes, with frequent lifting of upper and lower eyelids. Seek immediate medical attention.

4.2 Symptoms and Adverse Health Effects : Sec 11 for health effects and symptoms.

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media : Will not support combustion; select extinguishing agent appropriate to other materials involved (powder, foam, dry chemical, CO₂ or water spray/fog)

5.2 Special Hazards of Product : Fumes containing carbon dioxide, carbon monoxide, amine vapours and oxides of nitrogen may be formed in large fires. May make floor very slippery.

5.3 Advice for Fire-Fighting : Protective Equipment: Wear full protective clothing and self-contained breathing apparatus with full face-piece in positive pressure mode.

Special Precautions: Toxic to aquatic organisms; contain fire water and prevent entry to drains/watercourses (sec 13).

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions : Very toxic to aquatic organisms. Prevent spillage/runoff from entering sewers/watercourses/confined areas. Inform authorities if entry suspected or if soil/vegetation contaminated.

Spillages : Large Spill: Stop escape of material if without risk. Remove containers from spill area. Contain and collect spillage using non-combustible inert absorbent (sand/earth/vermiculite/diatomaceous earth) for disposal (sec 13). Use licenced waste disposal contractor. Wash area with plenty of water. Small spills may be diluted with water and mopped up.

Personal Precautions : Use appropriate personal protective clothing (sec 8). Slip risk: do not walk through or touch spilt material. Use respirator if ventilation inadequate.

6.4 REFERENCE TO OTHER SECTIONS

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

Handling : Avoid contact with eyes, skin and clothing (sec 8).

Storage : Store between 0-40°C. Keep containers tightly closed when not in use. Label containers according to hazard classification. Use appropriate secondary containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Skin Protection : Wear impervious PVC or rubber gloves/gauntlets, protective overalls, impermeable safety footwear and industrial safety helmet

Eye Protection : Wear close fitting goggles or full face visor/ shield to avoid splash injury.

Hygiene measures : Ensure eyewash stations and showers close to work locations. Wash hands, arms, face before eating, smoking or using the lavatory. Launder contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C) :	Liquid
Colour :	Characteristic
Odour :	Characteristic
pH :	8.0 ±1 (5% w/w Solution)
Boiling Range/Point :	ca 100°C
Solubility in water (20°C) :	Fully miscible with cold water in all proportions
Density (20°C) :	ca. 1.00 (±0.01) g/mL
Viscosity (20°C) :	tbc

10. STABILITY AND REACTIVITY

Reactivity/Chemical Stability : Stable

Incompatible materials : Strong oxidising agents

Hazardous Decomposition products : Combustion will generate oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Benzalkonium Chloride :

Oral : LD50 (rat) 240-400 mg/kg

Dermal : LD50 (rat) 800-1420 mg/kg

Potential Acute Health effects

Inhalation : No inhalation hazard under normal use conditions. Dust, spray, mist can be corrosive/highly irritating to the respiratory system

Ingestion : Harmful if swallowed. May cause burns to mouth, throat and stomach

Skin contact : Corrosive to skin. Causes burns. Harmful in contact with skin.

Eye : Corrosive to eyes.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity : The product is toxic to aquatic organisms

Acute LC50 Fish (96hr) 0.85 – 1.2 mg/L

Acute EC50 Daphnia (48hr) 0.02 mg/L

Acute EC50 Algae (96hr) 0.06 mg/L

12.2 Persistence/Degradability : Readily biodegradability: complies with biodegradability conditions, particularities and limits specified in Detergents Regulation (EC) 648/2004 & annexes.

12.3 Bio-accumulative Potential : Low: Product is surface active: Log Pow (ca. 0.5) may not be appropriate

12.4 Mobility in soil : Water soluble, readily binds to organic matter

12.5 PBT and vPvB : Not applicable

12.6 Ecological Overview : Product contains a substance classified as dangerous for the environment

13. DISPOSAL

Product Disposal : Where practical, waste or surplus material should be recovered and recycled. When disposing of waste or surplus material, avoid contact with eyes and skin. See section 8 for personal protective equipment.

Do not mix with other waste materials.

Dispose according to relevant national/local regulations. Within the EC, use appropriate code in EWL (European Waste List) for disposal.

Packaging Disposal : Empty containers may contain hazardous residues.

Labels should not be removed from containers until they have been cleaned. Incineration and landfill should only be considered when recycling is not feasible.

14. TRANSPORT INFORMATION

Not Classified As Hazardous For Transport

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE.

As per sections 2&3 above

All ingredients are listed on the EC Inventory and on the TSCA Inventory.

16. OTHER INFORMATION

REVISION COMMENTS



Classification in accordance with REACH registration dossier and HSPA recommendations

Disclaimer

The information contained in this document is intended to describe the product only in terms of health, safety and environmental requirements for the purposes of its safe handling, use and disposal and is to the best of G9 Chemicals Ltd's knowledge and belief correct. G9 Chemicals Ltd Technical Services will be pleased to give further advice and assistance, but customers must satisfy themselves (by appropriate testing if necessary) that the product is suitable for their purposes and conditions of use and that their facilities and arrangements are suitable for handling or using the product. Accordingly G9 Chemicals Ltd disclaims any liability for loss, injury or damage which may result from the use of the product, this information or from such advice and assistance save as may be expressly agreed under its terms of sale. This information does not comprise a technical or performance specification for the product and customers are referred to any relevant product technical information or specification issued by G9 Chemicals Ltd. Customers are also reminded that there may be uses or application for the product which are protected by G9 Chemicals Ltd or third parties' patent rights and nothing herein may be construed as an authority or encouragement to use or apply the product in contravention of such rights.