SAFETY DATA SHEET **G9 SURFACE DISINFECTANT CLEANER CONCENTRATE - LEMON**

Commission Regulation (EU) No 2015/830 of 28 May 2015.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name **G9 SURFACE DISINFECTANT CLEANER CONCENTRATE**

Product number G9, 3D

REACH registration notes This product is a mixture.

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

G9 CHEMICALS LTD Supplier

> 24 High Street, Charing, Ashford, Kent, TN27 0HX

+44 (0)1580 895 141 +44 (0)1580 895 258

info@g9chemicals.co.uk

1.4. Emergency telephone number

EMERGENCY INFORMATION OUT OF OFFICE HOURS CONTACT CARECHEM 24: +44 **Emergency telephone**

(0)1270 502891

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Health hazards

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

2.2. Label elements

Hazard pictograms







Signal word Danger

Hazard statements H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P260 Do not breathe vapour/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P310 Immediately call a POISON CENTER/ doctor. P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/ container in accordance with national regulations.

Contains QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL,

CHLORIDES, CHLORHEXIDINE DIGLUCONATE, ALCOHOLS, C10-16, ETHOXYLATED,

ALKYLAMIDOPROPYLBETAINE, FRAGRANCE

Supplementary precautionary statements

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see medical advice on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P391 Collect spillage.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

WATER 30-60%

CAC number: 7729 10 E

Classification

Not Classified

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QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-

30-60%

16-ALKYLDIMETHYL, CHLORIDES

Classification

Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

CHLORHEXIDINE DIGLUCONATE

10-30%

Classification

Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

DIPROPYLENE GLYCOL METHYL ETHER

5-10%

Classification

Not Classified

ALCOHOLS, C10-16, ETHOXYLATED

5-10%

CAS number: 68002-97-1 M factor (Acute) = 1

Classification

Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400

ALKYLAMIDOPROPYLBETAINE

1-5%

CAS number: 97862-59-4

Classification

Skin Irrit. 2 - H315 Eye Dam. 1 - H318

FRAGRANCE 1-5%

CAS number: -

Classification

Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 STOT SE 3 - H335 Aquatic Chronic 3 - H412

2-PHENOXYETHANOL

CAS number: 122-99-6 EC number: 204-589-7

Classification

Acute Tox. 4 - H302 Eye Irrit. 2 - H319

Tartrazine Yellow <1%

CAS number: —

Classification

Not Classified

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information In all cases of doubt, or when symptoms persist, seek medical attention. Remove

contaminated, saturated clothing immediately. Wash contaminated clothing before reuse.

<1%

Inhalation Move affected person to fresh air at once. If not breathing, if breathing is irregular or if

respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Ingestion Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink.

Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin contact Wash skin thoroughly with soap and water.

Eye contact Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses

and open eyelids widely. If irritation persists: Seek medical attention and bring along these

instructions.

Protection of first aidersNo information available.

4.2. Most important symptoms and effects, both acute and delayed

General informationNo information available.InhalationNo information available.IngestionNo information available.Skin contactNo information available.Eye contactNo information available.

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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

No information available.

Specific treatments

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use foam, carbon dioxide, dry powder or water fog to extinguish.

Unsuitable extinguishing

Do not use water jet as an extinguisher, as this will spread the fire.

media

5.2. Special hazards arising from the substance or mixture

Specific hazards In case of fire, may be liberated: Carbon monoxide (CO). Carbon dioxide (CO2). Combustion

products of this material have to be classed invariably as respiratory poison.

Hazardous combustion

products

No information available.

5.3. Advice for firefighters

Protective actions during

firefighting

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and

watercourses.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate

protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautionsWear protective clothing as described in Section 8 of this safety data sheet.

For non-emergency personnel Avoid contact with skin, eyes and clothing. Evacuate surrounding areas. Evacuate all

unnecessary personnel. Do not touch or walk through spilled material. Do not breathe

vapours.

Section 8.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Prevent soil contact Inform

the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Ensure waste is collected and

contained. Treat the assimilated material according to the section on waste disposal. For

waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections See Section 7 for information on safe handling. For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate

ventilation. Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.

Advice on general occupational hygiene

Avoid contact with eyes and skin. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash promptly if skin becomes contaminated. Wash skin thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Application of skin-protective barrier cream recommended

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep container tightly closed, in a cool, well ventilated place. Keep away from heat.

Protect from sunlight. Containers which are opened must be carefully resealed and kept

upright to prevent leakage. Avoid contact with oxidising agents.

Storage class No information available.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description No information available.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

No information available.

DIPROPYLENE GLYCOL METHYL ETHER

Long-term exposure limit (8-hour TWA): 50 ppm 308 mg/m³

Ingredient comments

No information available.

Biological limit values

No information available.

No information available.

No information available.

PNEC

No information available.

8.2. Exposure controls

Protective equipment











Appropriate engineering

controls

Emergency shower and eye wash facilities should be readily available Provide adequate ventilation.

Personal protection No information available.

Eye/face protection Personal protective equipment for eye and face protection should comply with European

Standard EN166. Safety glasses with side shields conforming to EN166

Hand protection The gloves must satisfy the specifications of EU directive 89/686/EEC and the standard EN

374 derived from it. Before use, the protective glove should be tested in any case for its specific work-station suitability (ie. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Replace gloves immediately when damaged or any change in their appearance. Design operations thus to avoid permanent use

of protective gloves.

Other skin and body

protection

Chemical resistant boots should comply with European standard EN345. Body protection must be chosen depending on activity and possible exposure, eg. apron, protecting boots,

chemical-protection suit (according to DIN-EN 465).

Hygiene measures Avoid contact with skin, eyes and clothing Do not eat, drink or smoke when using this

product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash promptly if skin becomes contaminated. Wash skin thoroughly after handling. Take off immediately all

contaminated clothing and wash it before reuse.

Respiratory protection Suitable respiratory protection should be worn if the product is used in large quantities,

confined spaces or in other circumstances where the OEL may be approached or exceeded. A suitable respirator must be worn if the product is used in any circumstances where an aerosol or mist may be generated, such as during spraying or similar activities.

Thermal hazards No information available.

Environmental exposure No information available.

controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Clear liquid.

Colour Yellow.

Odour Characteristic.

Odour threshold No information available.

pH pH (concentrated solution): 6.0

Melting point No information available.

Initial boiling point and range No information available.

Flash point No information available.

Evaporation rate No information available.

Evaporation factor No information available.

Flammability (solid, gas) No information available.

Upper/lower flammability or

explosive limits

No information available.

Other flammability No information available.

Vapour pressure No information available.

Vapour density No information available.

Relative density No information available.

Bulk density 0.99

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Solubility(ies) No information available.

Partition coefficient No information available.

Auto-ignition temperature No information available.

Decomposition Temperature No information available.

Viscosity No information available.

Explosive properties No information available.

Explosive under the influence No information available.

of a flame

Oxidising properties No information available.

Comments No information available.

9.2. Other information

Other information No information available.

Refractive index No information available.

Particle size No information available.

Molecular weight No information available.

Volatility No information available.

Saturation concentration No information available.

Critical temperature No information available.

Volatile organic compound No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under recommended storage and handling conditions. (Section 7).

10.3. Possibility of hazardous reactions

Possibility of hazardous

No information available.

reactions

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition No information available.

products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

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Other health effects No information available.

Acute toxicity - oral

Notes (oral LD50) LD50 1700 mg/kg, Oral, Rat

ATE oral (mg/kg) 1,250.0

Acute toxicity - dermal

Notes (dermal LD50) LD50 >2000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC50) No information available.

ATE inhalation (vapours mg/l) 1,000.0

Skin corrosion/irritation

Skin corrosion/irritation No information available.

Animal data Rabbit OECD 404 Causes mild skin irritation.

Human skin model test

No information available.

Extreme pH

No information available.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation Guinea pig

Skin sensitisation

Guinea pig: Not sensitising.

Skin sensitisation - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro

Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Target organ for carcinogenicity

No information available.

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IARC carcinogenicity

No information available.

No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Reproductive toxicity -

No information available.

development

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Target organs No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Target organs No information available.

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Aspiration hazard

Aspiration hazard No information available.

Toxicokinetics No information available.

General information No information available.

Inhalation No information available.

Ingestion No information available.

Skin contact No information available.

Eve contact No information available.

Acute and chronic health

Ith No information available.

hazards

Route of exposure No information available.

Target organs No information available.

Medical symptoms No information available.

Medical considerations No information available.

SECTION 12: Ecological information

Ecotoxicity No information available.

12.1. Toxicity

Toxicity No information available.

Acute aquatic toxicity

Acute toxicity - fish No information available.

Acute toxicity - aquatic

invertebrates

No information available.

Acute toxicity - aquatic plants No information available.

Acute toxicity - microorganisms

No information available.

Acute toxicity - terrestrial No information available.

Chronic aquatic toxicity

Chronic toxicity - fish early life No information available.

stage

Short term toxicity - embryo

and sac fry stages

Chronic toxicity - aquatic

invertebrates

No information available.

No information available.

Toxicity to soil No information available.

Toxicity to terrestrial plants No information available.

12.2. Persistence and degradability

Persistence and degradability No information available.

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Phototransformation No information available.

Stability (hydrolysis) No information available.

Biodegradation The substance is readily biodegradable.

- Degradation 83%: 28 days

No information available.

closed bottle test OECD 301D

Biological oxygen demand No information available.

12.3. Bioaccumulative potential

Chemical oxygen demand

Bioaccumulative potential BCF: < 500,

Partition coefficient No information available.

12.4. Mobility in soil

Mobility No information available.

Adsorption/desorption

coefficient

No information available.

Henry's law constant

No information available.

Surface tension

No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

No information available.

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Disposal should be in accordance with applicable regional, national and local laws and

regulations. The waste code in accordance with the European waste catalog (EWC) must be

specified in cooperation with disposal agency/ manufacturer/ authorities.

Disposal methods Residuals must be removed from packaging and when emptied completely disposed of

in accordance with the regulations for waste removal. Packaging which can't be

completely cleaned/emptied must be disposed of in the form of disposal specified by the

regional disposer.

1760

Waste class No information available.

SECTION 14: Transport information

14.1. UN number

UN No. (IMDG)

UN No. (ADR/RID) 1760

UN No. (ICAO) 1760

UN No. (ADN) 1760

14.2. UN proper shipping name

Proper shipping name CORROSIVE LIQUID, N.O.S.

(ADR/RID)

Proper shipping name (IMDG) CORROSIVE LIQUID, N.O.S.

Proper shipping name (ICAO) CORROSIVE LIQUID, N.O.S.

Proper shipping name (ADN) CORROSIVE LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID classification code C9

ADR/RID label 8

IMDG class 8

ICAO class/division 8

ADN class 8

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group

ADN packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-A, S-B

ADR transport category 3

Emergency Action Code 2X

Hazard Identification Number 80

(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

National regulations No information available.

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EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of

Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures

(as amended).

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31

March 2004 on detergents (as amended).

Guidance No information available.

Health and environmental

listings

No information available.

Authorisations (Annex XIV Regulation 1907/2006)

No information available.

Restrictions (Annex XVII Regulation 1907/2006)

No information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

Present.

Canada - DSL/NDSL

Present.

US - TSCA

Present.

US - TSCA 12(b) Export Notification

No information available.

Australia - AICS

Present.

Japan - ENCS

No information available.

Korea - KECI

No information available.

China - IECSC

Present.

Philippines - PICCS

Present.

New Zealand - NZIOC

Present.

Taiwan - TCSI

No information available.

South Korea

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ECHA: European Chemicals Agency

ATE: Acute Toxicity Estimate

ADR: European Agreement concerning the International Carriage of Dangerous Goods by

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# / CAS NO. CAS-numero (eräs kemikaalien tunnistenumero)

DNEL: Derived No Effect Level C&L: Classification and Labelling

EC NO.: EINECS and ELINCS Number (see also EINECS and ELINCS) EINECS: European Inventory of Existing Commercial Substances

IATA: International Air Transport Association kow: octanol-water partition coefficient

LC50: Lethal Concentration to 50 % of a test population

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)

SDS: Safety Data Sheet

OECD: Organization for Economic Co-operation and Development

PBT: Persistent, Bioaccumulative and Toxic substance

PEC: Predicted Effect Concentration

PNEC: Predicted No Effect Concentration(s)

PPE: Personal Protection Equipment

QSAR: Qualitative Structure Activity Relationship REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC)

No 1907/2006

SIEF: Substance Information Exchange Forum

STOT: Specific Target Organ Toxicity STOT (RE): Repeated Exposure STOT (SE): Single Exposure

vPvB: Very Persistent and Very Bioaccumulative

General information

Key literature references and

sources for data

Classification procedures

according to Regulation (EC)

1272/2008

No information available.

No information available.

No information available.

Training advice No information available.

Revision comments Revised formulation. Revision due to amendment of contents in section: 3,

Revision date 01/10/2020

Revision 001

Supersedes date 04/05/2020

SDS number 22815

Hazard statements in full H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.