

SAFETY DATA SHEET

G9 SURFACE DISINFECTANT CLEANER CONCENTRATE - LAVENDER

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

Supplier G9 CHEMICALS LTD
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 telephone EMERGENCY INFORMATION OUT OF OFFICE HOURS CONTACT CARECHEM 24: +44 (0)1270 502891

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317
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.

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Precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P260 Do not breathe vapour/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Contains	<p>QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES, CHLORHEXIDINE DIGLUCONATE, ALCOHOLS, C10-16, ETHOXYLATED, ALKYLAMIDOPROPYLBETAINE, FRAGRANCE</p>
Supplementary precautionary statements	<p>P233 Keep container tightly closed.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P391 Collect spillage.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

WATER	30-60%
CAS number: 7732-18-5	

Classification

Not Classified

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QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C12-16-ALKYLDIMETHYL, CHLORIDES **30-60%**

CAS number: 68424-85-1 EC number: 270-325-2
M factor (Acute) = 10 M factor (Chronic) = 1

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%**

CAS number: 18472-51-0 EC number: 242-354-0
M factor (Acute) = 1 M factor (Chronic) = 1

Classification

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

DIPROPYLENE GLYCOL METHYL ETHER **5-10%**

CAS number: 34590-94-8 EC number: 252-104-2

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

G9 SURFACE DISINFECTANT CLEANER CONCENTRATE - LAVENDER**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**<1%**

CAS number: 122-99-6

EC number: 204-589-7

Classification

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

Ebest Blue**<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.
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 aiders	No information available.

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

General information	No information available.
Inhalation	No information available.
Ingestion	No information available.
Skin contact	No information available.
Eye contact	No 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 media Do not use water jet as an extinguisher, as this will spread the fire.

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 precautions Wear 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.

For emergency responders Use appropriate personal protective equipment during clean-up For personal protection, see 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

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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.
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Storage class	No information available.
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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.
DNEL	No information available.
DMEL	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

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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 controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Blue.
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 of a flame	No information available.
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.
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10.2. Chemical stability

Stability	Stable under recommended storage and handling conditions. (Section 7).
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No information available.
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10.4. Conditions to avoid

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

Materials to avoid	Oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No information available.
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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.
<u>Acute toxicity - oral</u>	
Notes (oral LD50)	LD50 1700 mg/kg, Oral, Rat
ATE oral (mg/kg)	1,250.0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD50)	LD50 >2000 mg/kg, Dermal, Rat
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC50)	No information available.
ATE inhalation (vapours mg/l)	1,000.0
<u>Skin corrosion/irritation</u>	
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.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	No information available.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Guinea pig: Not sensitising.
<u>Skin sensitisation</u>	
Skin sensitisation	- Guinea pig: Not sensitising.
<u>Germ cell mutagenicity</u>	
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.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
Target organ for carcinogenicity	No information available.
IARC carcinogenicity	No information available.
NTP carcinogenicity	No information available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	No information available.
Reproductive toxicity - development	No information available.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	No information available.
Target organs	No information available.
<u>Specific target organ toxicity - repeated exposure</u>	
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.

Eye contact No information available.

Acute and chronic health hazards No information available.

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 stage No information available.

Short term toxicity - embryo and sac fry stages No information available.

Chronic toxicity - aquatic invertebrates 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 closed bottle test OECD 301D
Biological oxygen demand	No information available.
Chemical oxygen demand	No information available.

12.3. Bioaccumulative potential

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.
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12.6. Other adverse effects

Other adverse effects	No information available.
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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.
Waste class	No information available.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760
UN No. (ADN)	1760

14.2. UN proper shipping name

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Proper shipping name (ADR/RID) CORROSIVE LIQUID, N.O.S.

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 III

ADN packing group III

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

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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 Road
 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

No information available.

Key literature references and sources for data

No information available.

Classification procedures according to Regulation (EC) 1272/2008

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

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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.
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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.