SAFETY DATA SHEET
Cavity Seal

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

1.1. Product identifier

Product name Cavity Seal

Product number RF01616C

REACH registration notes This is a MIXTURE; no registration information contained in this document . Holts are classed as Downstream User.

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

Identified uses Body sealing material.

1.3. Details of the supplier of the safety data sheet

Supplier
Holt Lloyd Services
52 Rue des 40 Mines, 60000 – Allonne, France
Phone: +33 (0)3 64 99 00 32
info@holtsauto.com

Contact person Contact email address: info@holtsauto.com

Manufacturer
Holt Lloyd International Ltd
Barton Dock Road
Stretford
Manchester
M32 0YQ - England, UK
+44 (0) 161 866 4800
FAX +44 (0) 161 866 4854
www.holtsauto.com

1.4. Emergency telephone number

Emergency telephone UK - 00 44 (0) 161 866 4800 Office hrs = 0900 - 1700 hrs

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National emergency telephone number	+43 1 31304 5620; chemikalien@umweltbundesamt.at (Austria) +32022649636; info@poisoncentre.be (Belgium) +359 2 9154 409; poison_centre@mail.orbitel.bg (Bulgaria) +38514686910; toksikologija@hzjz.hr (Croatia) +35722405611; cy-chemregistry@dli.mlsi.gov.cy (Cyprus) +420267082257; biocidy@mzcr.cz (Czech Republic) +45 72 54 40 00; mst@mst.dk (Denmark) +372 794 3500; clp@terviseamet.ee, info@terviseamet.ee (Estonia) +358 5052 000; kirjaamo@tukes.fi (Finland) + 33 3 83 85 21 92; bnpc@chru-nancy.fr (France) +49-30-18412-0; bfr@bfr.bund.de (Germany) +302106479250; +302106479450; devxp.gcsl@aade.gr, environment.gcsl@aade.gr (Greece) +36 (1) 476 1135; clp.ca@nnk.gov.hu (Hungary) +354 543 22 22; eitur@landspitali.is (Iceland) +353 (1) 809 2166 / +353 (1) 809 2566; chemicalsinfo@beaumont.ie (Ireland) +390649906140; inscweb@iss.it (Italy) +371 67032600; lvgmc@lvgmc.lv (Latvia) +370 70662008; aaa@aaa.am.lt (Lithuania) +320 22649636; +352 24785551; info@poisoncentre.be; direction-sante@ms.etat.lu (Luxembourg) +356 2395 2000; info@mccaa.org.mt (Malta) +31 88 75 585 61; productnotificatie@umcutrecht.nl (The Netherlands) +4573580500; produktregisteret@miljodir.no / +47 21 07 70 00; folkehelseinstituttet@fhi.no (Norway) +48 42 2538 400; biuro@chemikalia.gov.pl (Poland) +351 800 250 250; ciav.tox@inem.pt (Portugal) +40213183606; infotox@insp.gov.ro (Romania) +7 495 621 6885; +7 495 628 1687; rtiac@mail.ru; rtiac2003@yahoo.com (Russia) +421 2 5465 2307; ntic@ntic.sk (Slovakia) + 386 1 522 1293; gp.ukc@kclj.si (Slovenia) +34 917689800; intcf.doc@justicia.es (Spain) +46104566750; giftinformation@gic.se (Sweden) +44 121 507 4123; allistervale@npis.org, sallybradberry@npis.org (UK)

SECTION 2: Hazards identification

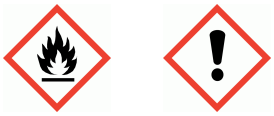
2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Flam. Liq. 3 - H226
Health hazards	Eye Irrit. 2 - H319 STOT SE 3 - H336
Environmental hazards	Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms



Signal word Warning

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Hazard statements	EUH208 Contains Calcium Sulfonate. May produce an allergic reaction. H226 Flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P102 Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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. P501 Dispose of contents/ container in accordance with national regulations.
Supplemental label information	EUH066 Repeated exposure may cause skin dryness or cracking.
Contains	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics, Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
Supplementary precautionary statements	P241 Use explosion-proof electrical equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P271 Use only outdoors or in a well-ventilated area. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P337+P313 If eye irritation persists: Get medical advice/ attention.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics **30-60%**

CAS number: 64742-48-9 EC number: 919-857-5 REACH registration number: 01-2119463258-33-XXXX

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336
Asp. Tox. 1 - H304

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Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics		**10-30%**
CAS number: —	EC number: 927-241-2	REACH registration number: 01-2119471843-32-XXXX

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336
Asp. Tox. 1 - H304
Aquatic Chronic 3 - H412

Calcium Sulfonate		**5-10%**
CAS number: 61789-86-4	EC number: 263-093-9	REACH registration number: 01-2119488992-18-XXXX

Classification
Skin Sens. 1B - H317

Phosphoric acid, C11-C14-isoalkyl esters, C13-rich		**1-5%**
CAS number: 154518-38-4	EC number: 800-484-0	REACH registration number: 01-2119488992-18-XXXX

Classification
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Aquatic Chronic 2 - H411

Alcohols, C11-14-iso, C13 rich		**<1%**
CAS number: 68526-86-3	EC number: 271-235-6	REACH registration number: 01-2119454259-32-XXXX
M factor (Acute) = 1		

Classification
Skin Irrit. 2 - H315
Aquatic Acute 1 - H400
Aquatic Chronic 2 - H411

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

Ingredient notes Calcium Sulfonate has a Specific Concentration Limit of Skin Sens. 1B; H317: C ≥ 10%

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

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Ingestion	Do not induce vomiting. Give plenty of water to drink. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation	Drowsiness, dizziness, disorientation, vertigo.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	May cause skin sensitisation or allergic reactions in sensitive individuals. Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Causes serious eye irritation.

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

Notes for the doctor	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Fire-water run-off in sewers may create fire or explosion hazard.
Hazardous combustion products	Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing, gloves, eye and face protection. Use suitable respiratory protection if ventilation is inadequate.

6.2. Environmental precautions

Environmental precautions	Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Ingredient comments WEL = Workplace Exposure Limits

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

DNEL

Workers - Inhalation; Long term systemic effects: 871 mg/m³
Workers - Dermal; Long term systemic effects: 77 mg/kg/day
General population - Inhalation; Long term systemic effects: 185 mg/m³
General population - Dermal; Long term systemic effects: 46 mg/kg/day
General population - Oral; Long term systemic effects: 46 mg/kg/day

Calcium Sulfonate (CAS: 61789-86-4)

DNEL

Workers - Inhalation; Long term systemic effects: 11.75 mg/m³
Workers - Dermal; Long term systemic effects: 3.33 mg/kg/day
Workers - Dermal; Long term local effects: 1.03 mg/cm²
General population - Inhalation; Long term systemic effects: 2.9 mg/m³
General population - Dermal; Long term systemic effects: 1.667 mg/kg/day
General population - Dermal; Long term local effects: 0.513 mg/cm²
General population - Oral; Long term systemic effects: 0.833 mg/kg/day

PNEC

Fresh water; 1 mg/l
marine water; 1 mg/l
STP; 1000 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate general and local exhaust ventilation.

Eye/face protection The following protection should be worn: Chemical splash goggles.

Hand protection Use protective gloves.

Other skin and body protection Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

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Hygiene measures	Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin.
Respiratory protection	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	White.
Odour	Characteristic.
Initial boiling point and range	145°C
Flash point	29°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.6% Upper flammable/explosive limit: 7.0%
Relative density	0.9 @ 20°C
Auto-ignition temperature	>200°C
Viscosity	Kinematic viscosity > 20.5 mm^2/s.

9.2. Other information

Volatility	58.1%
Volatile organic compound	This product contains a maximum VOC content of 500.2 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Toxicological effects Information given is based on data of the components and of similar products.

Acute toxicity - oral

Notes (oral LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation May cause sensitisation or allergic reactions in sensitive individuals.

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.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not relevant.

Inhalation Prolonged inhalation of high concentrations may damage respiratory system.

Ingestion Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

Skin contact Product has a defatting effect on skin. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.

Eye contact May cause severe eye irritation.

Target organs Skin Eyes Respiratory system, lungs

Toxicological information on ingredients.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

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Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} > 15000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} > 5000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC_{50}) LC50 > 4952 mg/m³, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Central and/or peripheral nervous system damage.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Ecological information on ingredients.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Acute aquatic toxicity

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Acute toxicity - fish	LL_{50}, 96 hours: >10 - <30 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >22 - < 46 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL50, 72 hours: > 1000 mg/l, Algae
Acute toxicity - microorganisms	EL50, 48 hours: 1.065 mg/l, protozoa, Tetrahymena pyriformis
Chronic aquatic toxicity	
Chronic toxicity - fish early life stage	NOELR, 28 days: 0.182 mg/l, QSAR
Chronic toxicity - aquatic invertebrates	EL50, 21 days: 0.317 mg/l, QSAR

Phosphoric acid, C11-C14-isoalkyl esters, C13-rich

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: 24 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 6.31 mg/l, Daphnia magna

Alcohols, C11-14-iso, C13 rich

Acute aquatic toxicity	
LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 0.42 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 0.71 mg/l, Daphnia magna

12.2. Persistence and degradability

Ecological information on ingredients.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Biodegradation	Rapidly degradable

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

12.4. Mobility in soil

Mobility The product contains substances which are insoluble in water and which may spread on water surfaces.

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.

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Alcohols, C11-14-iso, C13 rich

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class WGK: 1 (Germany)

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1139

UN No. (IMDG) 1139

UN No. (ICAO) 1139

UN No. (ADN) 1139

14.2. UN proper shipping name

Proper shipping name (ADR/RID) COATING SOLUTION

Proper shipping name (IMDG) COATING SOLUTION

Proper shipping name (ICAO) COATING SOLUTION

Proper shipping name (ADN) COATING SOLUTION

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels

14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

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ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number (ADR/RID) 30

Tunnel restriction code (D/E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

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).
VOC Directive - 2004/42/EC
Commission Regulation (EU) No 453/2010 of 20 May 2010.
Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Cavity Seal

Abbreviations and acronyms used in the safety data sheet

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate.
BCF: Bioconcentration Factor.
BOD: Biochemical Oxygen Demand.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
GHS: Globally Harmonized System.
IARC: International Agency for Research on Cancer.
IATA: International Air Transport Association.
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
Kow: Octanol-water partition coefficient.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
LOEC: Lowest Observed Effect Concentration.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
SVHC: Substances of Very High Concern.
UN: United Nations.
UVCB - Unknown or variable composition, complex reaction products or Biological materials.
vPvB: Very Persistent and Very Bioaccumulative.

Classification procedures according to Regulation (EC) 1272/2008

Flam. Liq. 3 - H226: On basis of test data. Eye Irrit. 2 - H319: Calculation method. STOT SE 3 - H336: Calculation method. Aquatic Chronic 3 - H412: Calculation method.

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8

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14329

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Hazard statements in full

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains Calcium Sulfonate. May produce an allergic reaction.