



Safety Data Sheet

Quidam

Preparation Date 08-Apr-2016

Revision date 04-Mar-2020

Revision Number: 2

1. Identification of the substance/mixture and of the company/undertaking

1.1 Identification of the product

Product code	HCM02
Product Description	Quidam
Synonyms	Prosulfocarb 800 g/l EC
Pure substance/preparation	Preparation

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use	Herbicide
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1.3 Details of the Supplier of the Safety Data Sheet

Supplier	UPL Europe Ltd Engine Rooms Birchwood Park Warrington WA3 6YN Cheshire UK Tel. : +44 (0) 1925 819999 Fax : +44 (0) 1925 856075
E-mail address	sds.info@upl-ltd.com

1.4 Emergency telephone number

Emergency telephone number	(CARECHEM 24): +44 (0) 1235 239670
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United Kingdom	NHS no. 111
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2. Hazards Identification

2.1 Classification of the mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Human Health

Aspiration toxicity	Category 1 - H304
Skin Corrosion/Irritation	Category 2 - H315
Serious Eye Damage/Irritation	Category 2 - H319
Skin sensitization	Category 1 - H317

Environment

Chronic aquatic toxicity	Category 1 - H410
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For the full text of the H-Statements mentioned in this Section, see Section 16

2.2 Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]



Signal Word

DANGER

Hazard Statements

H304 - May be fatal if swallowed and enters airways
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
 P264 - Wash hands thoroughly after handling
 P272 - Contaminated work clothing must not be allowed out of the workplace
 P280 - Wear protective gloves/eye protection/face protection
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
 P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P331 - Do NOT induce vomiting
 P332 + P313 - If skin irritation occurs: Get medical advice/attention
 P337 + P313 - If eye irritation persists: Get medical advice/attention
 P362 - Take off contaminated clothing and wash before reuse
 P391 - Collect spillage
 P501 - Dispose of contents/ container in accordance with national regulation

EU Specific Hazard Statements

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

2.3 Other Hazards

no data available

3. Composition/information on Ingredients

3.2. MIXTURES

Chemical name	EC No	CAS No	Weight-%	Classification (Dir.67/548)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH No.
Prosulfocarb	401-730-6	52888-80-9	70 - 80	-	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	no data available
Hydrocarbons, C9, aromatics	918-668-5	64742-95-6	10 - 20	-	Flammable liquids 3 (H226) STOT SE 3 (H335) STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) (EUH066)	01-2119455851-35
calcium dodecylbenzene sulfonate	247-557-8	26264-06-2	1 - 5	-	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)	01-2120122335-68
Isobutyl alcohol	Present	78-83-1	1 - 5	-	Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) STOT SE 3 (H335) STOT SE 3 (H336) Eye Dam. 1 (H318)	01-2119484609-23-XXXX

For the full text of the H-Statements mentioned in this Section, see Section 16

4. First aid measures

4.1 Description of first-aid measures

General advice	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
Eye contact	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Seek immediate medical attention/advice
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes If symptoms persist, call a physician
Ingestion	If accidentally swallowed obtain immediate medical attention Do NOT induce vomiting Rinse mouth Drink plenty of water
Inhalation	Move to fresh air Call a physician or poison control center immediately

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray, fog or alcohol-resistant foam Carbon dioxide (CO ₂) Foam Dry powder
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire High volume water jet

5.2 Special hazards arising from the substance or mixture

Special Hazard	Burning produces obnoxious and toxic fumes: Carbon oxides, Nitrogen oxides (NO _x) Ethylenethiourea
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5.3 Advice for Firefighters

Wear self-contained breathing apparatus and protective suit
Avoid runoff to waterways and sewers

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas
Wear protective gloves/protective clothing and eye/face protection
Avoid contact with skin, eyes and inhalation of vapors

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so
Prevent product from entering drains
Local authorities should be advised if significant spillages cannot be contained

6.3 Methods and material for containment and cleaning up

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

7. Handling and Storage

7.1 Precautions for Safe Handling

Handling

Provide adequate ventilation
Wear personal protective equipment
Avoid contact with skin, eyes and clothing

Hygiene Measures

Use only outdoors or in a well-ventilated area
Remove contaminated clothing and protective equipment before entering eating areas

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container/package in a cool well-ventilated place
Keep in a dry place
Avoid extreme high or low temperatures.
Keep away from heat and sources of ignition

7.3 Specific end uses

no data available.

8. Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure Limits

Apply technical measures to comply with the occupational exposure limits
<https://www.dguv.de/ifa/gestis/index-2.jsp>
 • <https://osha.europa.eu/en/themes/dangerous-substances>

Chemical name	Eu	United Kingdom	France	Spain	Germany
Isobutyl alcohol		STEL: 75 ppm STEL: 231 mg/m ³ TWA: 50 ppm TWA: 154 mg/m ³	TWA: 50 ppm TWA: 150 mg/m ³	TWA: 50 ppm TWA: 154 mg/m ³	TWA: 100 ppm TWA: 310 mg/m ³ Ceiling / Peak: 100 ppm Ceiling / Peak: 310 mg/m ³
Component	Italy	Portugal	Netherlands	Finland	Denmark
Isobutyl alcohol 78-83-1 (1 - 5)		TWA: 50 ppm		TWA: 150 mg/m ³ TWA: 50 ppm STEL: 75 ppm STEL: 230 mg/m ³ Skin	Ceiling: 50 ppm Ceiling: 150 mg/m ³ Skin
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Isobutyl alcohol	STEL 200 ppm STEL 600 mg/m ³ TWA: 50 ppm TWA: 150 mg/m ³	STEL: 50 ppm STEL: 150 mg/m ³ TWA: 50 ppm TWA: 150 mg/m ³	STEL: 200 mg/m ³ TWA: 100 mg/m ³	Skin Ceiling: 25 ppm Ceiling: 75 mg/m ³	TWA: 150 mg/m ³ TWA: 50 ppm STEL: 225 mg/m ³ STEL: 75 ppm

8.2 Exposure Controls

Engineering controls

Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye protection

Safety glasses with side-shields.

Skin protection

Long sleeved clothing.

Hand protection

Nitrile rubber.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Environmental exposure controls no data available

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Light yellow
Physical state	Liquid, Emulsifiable concentrate (EC)
Odor	unpleasant, Organic

<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
pH	5 - 6	(1% aq)
Melting point/freezing point	no data available	
Boiling Point/Range	No information available	
Flash Point	65 °C	EC A.9
Flammability (solid, gas)	No information available	
Relative Density	1.019	EC A.3
Solubility in Other Solvents	no data available	
Partition coefficient: n-octanol/water	No Data Available	
Autoignition temperature		
Decomposition temperature	No Data Available	
Viscosity		
Oxidizing properties	No Data Available	
Explosive properties	No Data Available	

9.2 OTHER INFORMATION

VOC Content	No Data Available
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10. Stability and Reactivity

10.1 Reactivity

no data available.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Extremes of temperature and direct sunlight
Keep away from heat, sparks and open flame. - No smoking

10.5 Incompatible Materials

Acids
Strong bases
Oxidizing agents.

10.6 Hazardous Decomposition Products

Carbon oxides
Nitrogen oxides (NO_x)
Oxides of sulfur

11. Toxicological Information

11.1 Information on Toxicological Effects

Acute toxicity

Local effects

Inhalation

There is no data available for this product.

Eye contact

There is no data available for this product.

Skin contact

There is no data available for this product.

Ingestion

There is no data available for this product.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
calcium dodecylbenzene sulfonate 26264-06-2	= 4 g/kg (Rat)		
Prosulfocarb 52888-80-9	= 1820 mg/kg (Rat)	> 2 g/kg (Rabbit)	> 4700 mg/m ³ (Rat) 4 h
Hydrocarbons, C9, aromatics 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
Isobutyl alcohol 78-83-1	= 2460 mg/kg (Rat)	= 3400 mg/kg (Rabbit)	> 6.5 mg/L (Rat) 4 h

Chronic toxicity

Skin Corrosion/Irritation

no data available.

Sensitization

No information available.

Carcinogenic effects

no data available

Mutagenic effects

no data available

Reproductive effects

no data available

STOT - Single Exposure

no data available.

STOT - Repeated Exposure

no data available.

Chemical name	EU Annex I Carcinogen Information	UK
Hydrocarbons, C9, aromatics	1B	

12. Ecological Information

12.1 Toxicity

Chemical name	Freshwater Algae	Freshwater Fish	Microtox	Daphnia Magna
Prosulfocarb	EC50 (96 h) for <i>Scenedesmus subspicatus</i> 0.11 mg/l	LC50 (96 h) for bluegill sunfish 4.2, rainbow trout 1.7 mg/l		Daphnia LC50 (48 h) 0.5 mg/l
Hydrocarbons, C9, aromatics		LC50 96 h: = 9.22 mg/L (<i>Oncorhynchus mykiss</i>)		EC50 48 h: = 6.14 mg/L (<i>Daphnia magna</i>)
calcium dodecylbenzene sulfonate		LC50 96 h: = 10.8 mg/L static (<i>Oncorhynchus mykiss</i>)		
Isobutyl alcohol	EC50 48 h: = 230 mg/L (<i>Desmodesmus subspicatus</i>)	LC50 96 h: = 375 mg/L static (<i>Pimephales promelas</i>) LC50 96 h: 1370 - 1670 mg/L flow-through (<i>Pimephales promelas</i>) LC50 96 h: 1480 - 1730 mg/L flow-through (<i>Lepomis macrochirus</i>) LC50 96 h: 1120 - 1520 mg/L flow-through (<i>Oncorhynchus mykiss</i>)		EC50 48 h: = 1300 mg/L (<i>Daphnia magna</i>) EC50 48 h: 1070 - 1933 mg/L Static (<i>Daphnia magna</i>)

12.2 Persistence and Degradability

no data available

12.3 Bioaccumulative Potential

no data available

Chemical name	Log Pow
Isobutyl alcohol	0.79

12.4 Mobility in Soil

no data available.

12.5 Results of PBT and vPvB Assessment

no data available

12.6 Other Adverse Effects

no data available.

13. Disposal Considerations

13.1 Waste Treatment Methods

Waste from Residues/Unused Products	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal.
EWC waste disposal No	020108 - agrochemical waste containing dangerous substances.
OTHER INFORMATION	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

14. Transport Information**ADR/RID**

14.1 UN/ID no	UN3082
14.2 Proper shipping name	Environmentally hazardous substance, liquid, n.o.s (Prosulfocarb)
14.3 Hazard class	9
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special Provisions	274, 335, 375, 601
ADR - Tunnel restriction code	(E)

IMDG

14.1 UN/ID no	UN3082
14.2 Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Prosulfocarb)
14.3 Hazard class	9
14.4 Packing group	III
14.5 Environmental hazards	IMDG - Marine Pollutant
14.6 Special Provisions	274, 335, 969

IATA/ICAO

14.1 UN/ID no	UN3082
14.2 Proper shipping name	Environmentally hazardous substance, liquid, n.o.s (Prosulfocarb)
14.3 Hazard class	9
14.4 Packing group	III
14.5 Environmental hazards	Yes
14.6 Special Provisions	A97, A158, A197

15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

To avoid risks to human health and the environment, comply with the instructions for use

International Inventories

TSCA	Present
EINECS/ ELINCS	Present
DSL/NDSL	Present
PICCS	Present
ENCS	Present
China	Present
AICS	Present
KECL	Present

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EC No : **EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

16. Other Information**Full text of H-Statements referred to under sections 2 and 3**

H226 - Flammable liquid and vapor
H302 - Harmful if swallowed
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
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects

Revision date 04-Mar-2020

Revision note Not applicable

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information contained is based on our knowledge of the product at the date of publishing. It applies to the PRODUCT AS SUCH. In case of formulation or mixture, make sure that a new danger will not appear. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and duplicated for prevention and Safety purposes. For rates and use recommendations, refer to the information displayed on the packaging. It is the responsibility of the handlers of the product to pass on this safety data sheet to any subsequent persons who will come into contact with the product.

End of Safety Data Sheet