

Safety Data Sheet according to Regulation 1907/2006/EC, Article 31

Printed on: 21.09.2023

Rev. No. 4 (replaces version 3)

Revision: 21.09.2023

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

1.1 Product identifier

Trade name: QUALITY-FOAM

SUPER-FOAM HQ

UFI: S800-F0KK-H00V-NQH5

1.2 Relevant identified uses of the substance or mixture and uses advised against Agricultural use · Use of the substance / the preparation Foam generator for agricultural use To be used in foam line markers

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SALVARANI Srl

Via M. Buonarroti, 2

42028 Poviglio (RE) - Italy TEL.

0522 969177 - FAX. 0522 960612

Information provided by: e-mail: infosicurezza@salvarani.com

1.4 Emergency telephone number: ITALY -

POISON CENTERS (24 hours a day - information in Italian): · Milan -

Niguarda Ca' Granda Hospital Trust - Tel. +39 02 66101029 · Pavia - National Toxicological

Information Centre - IRCCS Salvatore Maugeri Foundation Occupational and Rehabilitation Clinic - Tel. +39 0382 24444 · Florence - "Careggi" University Hospital Trust, Medical

Toxicology Unit - Tel. +39 055 7947819 · Bergamo - "Papa Giovanni XXIII" Hospital Trust, clinical toxicology - Tel. +39 800

883300 · Rome - "Umberto I" Polyclinic CAV, PRGM emergency toxicology - Tel. +39 06 49978000 · Rome - "Agostino"

Polyclinic CAV Gemelli", Clinical Toxicology Service - Tel. +39 06 3054343 · Rome - CAV "Bambino Gesù

Pediatric Hospital", emergency and admissions department DEA - Tel. +39 06 68593726 · Foggia - Azienda Ospedaliera

Universitaria riuniti, Foggia - Tel. +39 800 183459 · Naples - Hospital "Antonio Cardarelli", III Anaesthesia and Resuscitation Service - Tel. +39 081

5453333 · Verona - CAV of the Integrated Hospital Company (AOUI) of Verona, Borgo Trento

branch - Tel. +39 800 011858

SALVARANI Srl

Technical Support: Tel: +39 0522 969177 (Monday - Friday : 8.00-12.00 AM

1.30-5.30 PM)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 The product is classified and labelled in accordance with the CLP Regulation.

Hazard pictograms



GHS05

GHS07

Warning Danger

Hazardous components determining labelling:

Alcohols, C12-14, ethoxylated, sulfated, sodium salts
2-butoxyethanol

Hazard statements H332

Harmful if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage.

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Trade name: QUALITY-FOAM

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H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P101 If medical advice is needed, have product container or label available.
 P102 Keep out of reach of children.
 P261 Avoid breathing mist/vapours/aerosols.
 P264 Wash thoroughly after use.
 P280 Wear gloves / safety glasses / face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Call a POISON CENTER/doctor immediately.
 P501 Dispose of product/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

- Description: Mixture consisting of the following substances

Dangerous substances:		
CAS: 68891-38-3 Alcohols, C12-14, ethoxylated, sulphates, sodium salts	Eye Dam. 1, H318;	65-75%
01-2119488639-16-XXXX Specific concentration limits: Eye Dam. 1; H318: C 10 %	Eye Irrit. 2, H315; Aquatic Chronic 3, H412 NLP: 500-234-8 Reg.nr.: Eye Irrit. 2; H319: 5 % C < 10 %	
CAS: 111-76-2	2-butossietanolo	15-25%
EINECS: 203-905-0 Index number: 603-014-00-0	Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg LC50 / 4h by inhalation: 3 mg/l · Further	

information: The wording of the hazard warnings listed can be found in section 16

SECTION 4: First aid measures

4.1 Description of first aid measures · General information:

Immediately remove any clothing contaminated by the product.

Inhalation:

Ensure supply of fresh air.

Move to a well-ventilated area. Consult a doctor if any problems occur.

If the subject is unconscious, ensure that he is kept in a stable position on his side during transport.

Skin contact: Wash

immediately with soap and water, rinsing thoroughly.

In case of persistent skin irritation, consult your doctor.

Eye contact: Protect

unaffected eye.

Rinse with running water for several minutes holding the eyelids wide open and consult a doctor.

Ingestion:

Rinse mouth with water.

Do not induce vomiting.

If pain persists, consult your doctor.

4.2 Most important symptoms and effects, both acute and delayed No further information available.

4.3 Indication of any need to immediately consult a doctor and require special treatment

Symptomatic treatment.

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SECTION 5: Fire-fighting measures

- 5.1 Extinguishing media
 - Suitable extinguishing media: Use fire-fighting measures appropriate to the conditions surrounding the affected area. CO₂, powder or water spray. Extinguish large fires with water spray or alcohol-resistant foam.
- 5.2 Special hazards arising from the substance or mixture If heated or in case of fire, the product may develop toxic fumes.
- 5.3 Advice for firefighters · Specific protective equipment: Do not inhale gases resulting from explosions and fires.
 - Further information
 - Dispose of fire residues and contaminated extinguishing water in accordance with local regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation.
 - Wear personal protective clothing.
 - In case of vapours/dust/aerosols, use respiratory protection.
- 6.2 Environmental precautions: Prevent entry into sewers/surface water/ground water.
- 6.3 Methods and materials for containment and cleaning up: Collect the liquid with absorbent material (sand, diatomite, acid binder, universal binder, sawdust). Provide sufficient ventilation.
- 6.4 Reference to other sections For information on safe handling, see chapter 7.
For information on personal protective equipment see Chapter 8.
For disposal information see Chapter 13.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Avoid formation of aerosols.
 - Proper ventilation/extraction in the workplace.
- Information in case of fire and explosion: The product is not flammable.
 - No special measures are required.
- 7.2 Conditions for safe storage, including any incompatibilities · Storage: · Requirements to be met by storerooms and containers: Store only in the original containers.
 - Information on mixed storage: Store separately from oxidising and acidic substances.
Store separately from alkalis (lyes).
 - Further information on storage conditions: Store in a cool place.
 - Protect from heat and direct sunlight.
 - Protect from frost.
 - Keep containers tightly closed.
- 7.3 Specific end uses No further information available.

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SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Components whose limit values must be monitored in the workplace:

CAS: 111-76-2 2-butossietanolo

TWA (Italy) Long-term value: 97 mg/m³, 20 ppm
A3, IBEVL (Italy) Valore a breve termine: 246 mg/m³, 50 ppm
Valore a lungo termine: 98 mg/m³, 20 ppm
CuteIOELV (EU) Value to be completed shortly: 246 mg/m³, 50 ppm
Valore a lungo termine: 98 mg/m³, 20 ppm
SkinPEL (U.S.A.) Valore a lungo termine: 240 mg/m³, 50 ppm SkinREL (U.S.A.) Valore a lungo termine: 24 mg/m³, 5 ppm Skin

TLV (USA) Long-term value: 20 ppm BEI, A3 Regulatory

information TWA (Italy): Threshold Limit Values

(ACGIH-AIDII)

VL (Italia): D.Lgs. n. 81/2008 IOELV

(EU): (EU) 2019/1831 PEL (U.S.A.):

Guide to Occupational Exposure Values (OSHA PELs)

REL (U.S.A.): Guide to Occupational Exposure Values (NIOSH RELs)

TLV (U.S.A.): Guide to Occupational Exposure Values (TLV)

· DNEL

CAS: 68891-38-3 Alcohols, C12-14, ethoxylated, sulfated, sodium salts

Oral DNEL / Long Term exposure - Systemic effects 1,125 mg/kg bw/d (general population)

Cutaneous DNEL / Long Term exposure - Systemic effects 40,178 mg/kg bw/d (general population)

80,357 mg/kg bw/d (workers) 0,079

DNEL / Long Term exposure - Local effects
mg/kg (general population) 0,132 mg/
kg (workers)Per inalazione DNEL / Long Term exposure - Systemic effects 1,4 mg/m³ (general population)7,9 mg/m³ (workers)

· PNEC

CAS: 68891-38-3 Alcohols, C12-14, ethoxylated, sulfated, sodium salts

PNEC / aqua 0,052-0,24 mg/l (freshwater) 0,071 mg/l

(intermittent releases) 0,0052-0,024 mg/l

l (marine water)

PNEC / sediment 0,2-0,9168 mg/kg dw (freshwater)

0,02-0,0917 mg/kg dw (marine water) 7,5 mg/l

PNEC / soil kg dw 1-10 mg/l

PNEC / STP l (sewage treatment plant)

· Components with biological limit values: CAS:

111-76-2 2-butoxyethanol IBE (Italy) 200

mg/g creatinine Samples: urine Time of
sampling: at the
end of shift Biological indicator:
Butoxyacetic acid BEI (USA) 200 mg/g creatinineMedium: urine Time: end of shift
Parameter:
Butoxyacetic acid
(BAA) (with hydrolysis)

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- Regulatory information IBE (Italy):
Biological Exposure Indices (ACGIH)
BEI (U.S.A.): Guide to Occupational Exposure Values (BEI)
- Additional information: The lists valid at the time of compilation were used as a basis.

8.2 Exposure controls

Appropriate engineering controls No further data, see point 7.

- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures: Observe the usual safety measures when handling chemical substances.
Eating and drinking are prohibited while working.
Keep away from food, drink and feed.
Remove contaminated clothing immediately.
Avoid contact with eyes and skin.
Wash your hands before breaks or when you finish work.

- Respiratory protection Not required.
Not necessary in well ventilated environments.

- Hand protection

Protective gloves

Selection of glove material taking into account the penetration times, rates of permeation and degradation.

- Material of gloves
Neoprene gloves Butyl
rubber, BR Nitrile
rubber, BR The

selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a formulation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye/face protection

Protective glasses with tight seal

- Protective suit: Lightweight protective clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state · Colour: ·

Odour: · Odour

threshold:

· Melting

point/freezing point:

· Boiling point or initial boiling point and boiling range

· Flammability · Lower and upper explosion limits · Lower: · Upper: ·

Flash point:

Liquid

Light pink

Characteristic

Not defined. -2

°C

100 °C

Non-flammable mixture

Undefined.

Not defined.

67 °C (CAS: 111-76-2 2-butoxyethanol)

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· Auto-ignition temperature:	γ230 °C (CAS: 111-76-2 2-butossietanolo)
· Decomposition temperature:	Not applicable. The mixture is not self-reactive, it does not contain peroxides organic and does not decompose under the intended conditions of use 6,5-8
· temperature 20 °C	
· Viscosity:	
· Kinematic viscosity at 20 °C	2 mm²/s
· Solubility	
· water:	Soluble.
· Partition coefficient n-octanol/water (value logarithmic)	Not applicable. The product is a mixture
· Vapour pressure at 25 °C:	γ1,17 hPa (CAS: 111-76-2 2-butossietanolo)
· Density and/or relative density	
· Density at 20 °C:	1,01 g/cm³
· Relative vapor density	Undefined.

· 9.2 Other information

· I wait:	
· Shape:	Liquid
· Important information on health protection and of the environment as well as safety	
· Ignition temperature:	Non-self-igniting product.
· Explosive properties:	Non-explosive product.
· Solvent content:	
· Organic solvents:	15-25 %
· VOC (CE)	15-25 %
· Change of state	
· Evaporation rate	Undefined.

· Information relating to physical hazard classes	
· Explosives	not applicable
· Flammable gases	not applicable
· Aerosol	not applicable
· Burning gas	not applicable
· Gas under pressure	not applicable
· Flammable liquids	not applicable
· Flammable solids	not applicable
· Self-reactive substances and mixtures	not applicable
· Pyrophoric liquids	not applicable
· Pyrophoric solids	not applicable
· Self-heating substances and mixtures	not applicable
· Substances and mixtures which emit flammable gases at contact with water	not applicable
· Combustive liquids	not applicable
· Burning solids	not applicable
· Organic peroxides	not applicable
· Substances or mixtures corrosive to metals	not applicable
· Desensitized explosives	not applicable

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further information available.
- 10.2 Chemical stability
 - Thermal decomposition / conditions to avoid: The product does not decompose if used according to specifications.
- 10.3 Possibility of hazardous reactions No hazardous reactions known.
- 10.4 Conditions to avoid
 - Protect from heat and direct sunlight.
 - Protect from frost.

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- 10.5 Incompatible materials: Keep away from: strong acids, strong bases and oxidising agents.
- 10.6 Hazardous decomposition products:
Hydrofluoric acid
Nitrogen oxides (NOx)
Sulfur oxides (SOx)

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity
Harmful if inhaled.

- LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimation (ATE))

Oral	LD50	4.800-8.000 mg/kg
Inhalation LC50 / 4h	12-20 mg/l	(ATE)

CAS: 68891-38-3 Alcohols, C12-14, ethoxylated, sulfated, sodium salts

Oral	LD50	>2.000 mg/kg (rat) (OECD TG 401: Acute Oral Toxicity)
Cutaneous	LD50	>2.000 mg/kg (rat) (OECD TG 402: Acute Dermal Toxicity)

CAS: 111-76-2 2-butossietanolo

Oral	LD50	1.200 mg/kg (ATE)
Cutaneous	LD50	>2.000 mg/kg (rat)
Inhalation LC50 / 4h	3 mg/l	(ATE)

- Skin corrosion/skin irritation
Causes skin irritation.
- Serious eye damage/eye irritation
Causes serious eye damage.
- Respiratory or skin sensitization Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- Specific target organ toxicity (STOT) - single exposure
Based on available data, the classification criteria are not met.
- Specific target organ toxicity (STOT) - repeated exposure
Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

- 11.2 Information on other hazards

- Endocrine disrupting properties

None of the components are contained.

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity:
No further information is available.

CAS: 68891-38-3 Alcohols, C12-14, ethoxylated, sulfated, sodium salts

EC50 / 48h	7,4 mg/l	(crustacea - Daphnia magna) (OECD TG 202: Daphnia sp. Acute Immobilisation Test)
LC50 / 96h	7,1 mg/l	(fish - Brachydanio rerio) (OECD TG 203: Fish, Acute Toxicity Test)
EC50 / 72h	27,7 mg/l	(a05) (OECD TG 201: Alga, Growth Inhibition Test)
NOEC / 21d	0,27 mg/l	(crustacea - Daphnia magna) (OECD TG 211: Daphnia Magna Reproduction Test)

- 12.2 Persistence and degradability
No further information is available.

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CAS: 111-76-2 2-butoxyethanol Ready

Biodegradability / 28d 92 % · Further

information: The product is biodegradable.

· 12.3 Bioaccumulative potential Based

on the distribution coefficient n-octanol/water, accumulation in organisms is not to be expected.

CAS: 68891-38-3 Alcohols, C12-14, ethoxylated, sulfated, sodium salts Log Kow

0.3 CAS:

111-76-2 2-Butoxyethanol

Log Kow 0,81 /20°C

· 12.4 Mobility in soil No further information available.

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable. ·

vPvB: Not applicable.

· 12.6 Endocrine disrupting properties The product does not contain
substances with endocrine disrupting properties.

· 12.7 Other adverse effects ·

Further environmental information: · Further information:

Water hazard class 1 (D) (Self-classification): slightly hazardous. Do not allow undiluted
product or large quantities of it to reach ground water, watercourses or sewerage system.**SECTION 13: Disposal considerations**

· 13.1 Waste treatment methods ·

Recommendation: Do not dispose of product together with household waste. Do not allow to reach sewer system.

Disposal in accordance with administrative provisions.

· Uncleaned packaging: ·

Recommendation: Disposal in accordance with administrative provisions.

Packaging that cannot be cleaned must be disposed of in the same way as the substance.

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR/RID/ADN, ADN, IMDG, IATA

not applicable

· 14.2 UN proper shipping name · ADR/RID/ADN, ADN,
IMDG, IATA

not applicable

· 14.3 Transport hazard classes

· ADR/RID/ADN, ADN, IMDG, IATA

· Class

not applicable

· 14.4 Packing group · ADR/RID/
ADN, IMDG, IATA

not applicable

· 14.5 Environmental hazards ·

Marine pollutants:

No

· 14.6 Special precautions for users

Not applicable.

· 14.7 Maritime transport in bulk in accordance with IMO acts Not
applicable.

· Transport/further information:

Not hazardous according to the above regulations.

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· UN "Model Regulation": not applicable

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Regulation (EC) No. 1907/2006 (REACH -

Registration, Evaluation, Authorisation and Restriction of Chemicals)

Regolamento (CE) n. 1272/2008 (CLP - Classification, Labelling and Packaging of substances and mixtures)

Drafting of Safety Data Sheet: EU Reg. No. 878/2020 (which modifies EC Reg. No. 1907/2006, Annex II)

- REGULATION (EC) No. 1907/2006 ANNEX XVII Restrictions: 3 · Directive 2012/18/

EU (Seveso)

- Specified dangerous substances - ANNEX I None of the components are contained.

- REGULATION (EC) No. 273/2004 on drug precursors None of the components are contained.

- REGULATION (EC) No 111/2005 laying down rules for the monitoring of trade in drug precursors between the Community and third countries

None of the components are contained.

- REGULATION (EU) 2019/1148

- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the components are contained.

- Annex II - EXPLOSIVE PRECURSORS SUBJECT TO REPORTING

None of the components are contained.

- 15.2 Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16: Other information

The data given is based on our current knowledge, but does not represent any guarantee of product characteristics and does not establish any contractual legal relationship.

- Relevant phrases

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H412 Harmful to aquatic life with long lasting effects.

- Classification according to Regulation (EC) No. 1272/2008

Acute inhalation toxicity
Skin corrosion/irritation
Serious eye damage/eye irritation
Hazardous to the aquatic environment - long-term (chronic)
hazard to the aquatic environment

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- Version number of previous version: 3

- Abbreviations and acronyms:

LC50: Lethal Concentration, 50 percent (Concentrazione Letale, 50%)

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP: Classification, Labelling and Packaging

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

TLV: Threshold Limit Value

TLV-TWA: Threshold Limit Value - Time Weighted Average (Threshold Limit Value - Time Weighted Average)

TLV-STEL: Threshold Limit Value - Short Term Exposure Limit (Threshold Limit Value - Short Term Exposure Limit)

PEL: Permissible Exposure Limits

REL: Recommended Exposure Limits

IOELV: Indicative Occupational Exposure Limit Value

WEELs: Workplace Environmental Exposure Limits

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IBE: Biological Exposure Index
LC50: Lethal Concentration, 50 percent
EC50: Effective Concentration, 50 percent (Effective Concentration, 50%)
ErC50: Effective Concentration, 50 percent, reduction of growth rate (Effective Concentration, 50%, reduction of growth rate)
LL50: Lethal Loading 50 percent (Lethal Load for 50% of individuals)
EL50: Effective Loading 50 percent (Effective Loading on 50% of individuals)
NOEC: No-Observed Effect Concentration. No observed effect concentration.
NOELR: No Observed Effect Loading Rate.
Kow: Octanol-Water partition coefficient (Octanol/Water partition coefficient)
BCF: BioConcentration Factor
DNEL: Derived No-Effect Level [REACH]
PNEC: Predicted No-Effect Concentration [REACH]
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
LD50: Lethal Dose, 50 percent (Dose Letale, 50%)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
WGK: Wassergefährdungsklasse - Water hazard class, Germany (Classe di pericolosità per le acque, Germania)
Acute Tox. 4: Acute toxicity – Category
4 Acute Tox. 3: Acute toxicity – Category
3 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye
Dam. 1: Serious eye damage/eye irritation – Category 1 Eye
Irrit. 2: Serious eye damage/eye irritation – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Data changed from previous version

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