

Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 1 of 13

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

1.1. Product identifier

Hobart® Hygiene Tabs intensiv

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

Use of the substance/mixture

Cleaning agent, acidic.

Uses advised against

Not known

1.3. Details of the supplier of the safety data sheet

Company name:	HOBART GmbH	
Street:	Robert-Bosch-Strasse 17	
Place:	D-77656 Offenburg	
Telephone:	+49 (0) 781.600-0	Telefax: +49 (0) 781.600-23 19
e-mail:	info@hobart.de	
Internet:	www.hobart.de	
Responsible Department:	Dr. Gans-Eichler Chemieberatung GmbH Otto-Hahn-Str. 36 D-48161 Muenster	e-mail: info@tge-consult.de Tel.: +49(0)2534 6441185 www.tge-consult.de

1.4. Emergency telephone number:

Giftnotruf (Poison Center) Berlin: +49 (0) 30 30686700

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

sodium silicate

Fatty alcohol alkoxyate 2

Signal word: Danger

Pictograms:



Hazard statements

H315

Causes skin irritation.

H318

Causes serious eye damage.

H412

Harmful to aquatic life with long lasting effects.

Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 2 of 13

Precautionary statements

- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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 Immediately call a POISON CENTER/doctor.

2.3. Other hazards

The substances in the mixture (>0,1%) do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
5329-14-6	sulfamic acid, sulphamic acid, sulphamidic acid			>=25 %
	226-218-8	016-026-00-0	01-2119488633-28	
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H315 H319 H412			
13870-28-5	sodium silicate			20 - < 25 %
	237-623-4		01-2119485031-47	
	Eye Dam. 1; H318			
	Fatty alcohol alkoxylate 2			1 - < 5 %
			02-2119548485-30	
	Eye Dam. 1, Aquatic Chronic 3; H318 H412			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
5329-14-6	226-218-8	sulfamic acid, sulphamic acid, sulphamidic acid	>=25 %	
	dermal: LD50 = >2000 mg/kg			
13870-28-5	237-623-4	sodium silicate	20 - < 25 %	
	inhalation: LC50 = >3,51 mg/l (dusts or mists); oral: LD50 = 2507 mg/kg			
	Fatty alcohol alkoxylate 2			1 - < 5 %
	oral: LD50 = >2000-5000 mg/kg			

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants.

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract

Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 3 of 13

irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

Irritating to skin. Causes serious eye damage.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂). Sulfur oxides. Nitrogen oxides (NO_x). Silicon dioxide.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Safe handling: see section 7
Avoid the formation of dust.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Discharge into the environment must be avoided.
Do not allow to enter into surface water or drains. Eliminate leaks immediately.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7

Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 4 of 13

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear suitable protective clothing. See section 8.
Avoid the formation and deposition of dust.
Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Usual measures for fire prevention. Dust clouds may present an explosion hazard.

Advice on general occupational hygiene

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.
Avoid contact with eyes. Do not breathe dust.

Further information on handling

Avoid generation of dust.
General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
Recommended storage temperature: 20°C
Protect against: frost. UV-radiation/sunlight. heat. Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
5329-14-6	sulfamic acid, sulphamic acid, sulphamidic acid			
Worker DNEL, long-term		inhalation	systemic	7,5 mg/m ³
13870-28-5	sodium silicate			
Worker DNEL, long-term		inhalation	systemic	11,21 mg/m ³
Consumer DNEL, long-term		dermal	systemic	159 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,39 mg/m ³
Consumer DNEL, long-term		oral	systemic	1,59 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	318 mg/kg bw/day

PNEC values

CAS No	Substance
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Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 5 of 13

Environmental compartment	Value
13870-28-5 sodium silicate	
Freshwater	7,5 mg/l
Marine water	7,5 mg/l
Freshwater sediment	29,4 mg/kg
Marine sediment	29,4 mg/kg
Secondary poisoning	106 mg/kg
Micro-organisms in sewage treatment plants (STP)	28 mg/l
Soil	1,47 mg/kg

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls



Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

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

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). BS/EN 166

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-Exceeding exposure limit values

Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 6 of 13

-Generation/formation of dust

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	white
Odour:	odourless

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined

Explosive properties

Dust clouds may present an explosion hazard.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined

Self-ignition temperature

Solid:	not determined
Gas:	not determined
Decomposition temperature:	not determined

pH-Value: 2 (2g/l)

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Water solubility: miscible.
(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: SECTION 12: Ecological information

Vapour pressure: not determined

Density (at 20 °C): 1,7 g/cm³

Relative vapour density: not determined

9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion: Not sustaining combustion

Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 7 of 13

Oxidizing properties
none

Other safety characteristics

Solvent separation test:	not determined
Solvent content:	not determined
Solid content:	not determined
Evaporation rate:	not determined

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Refer to chapter 10.5.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

10.6. Hazardous decomposition products

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂). Sulfur oxides. Nitrogen oxides (NO_x). Silicon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
5329-14-6	sulfamic acid, sulphamic acid, sulphamidic acid				
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier	
13870-28-5	sodium silicate				
	oral	LD50 2507 mg/kg	Rat	ECHA-Dossier	OECD 401
	inhalation (4 h) aerosol	LC50 >3,51 mg/l	Rat	ECHA-Dossier	OECD 403
	Fatty alcohol alkoxyate 2				
	oral	LD50 >2000-5000 mg/kg	Rat.	MSDS extern	

Irritation and corrosivity

Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 8 of 13

Causes skin irritation.

Causes serious eye damage.

sodium silicate:

Eye Dam. 1 - Specific concentration limit (SCL): >= 10 %

Skin corrosion/irritation (OECD 404)

Species: Rabbit, Results: Does not irritate the skin.

Serious eye damage/eye irritation (OECD 405)

Species: Rabbit, Results: Risk of serious damage to eyes.

Sensitising effects

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

Skin sensitisation: in vivo (LLNA) (OECD 429)

Species: Mouse., Results: negative.

Carcinogenic/mutagenic/toxic effects for reproduction

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

sulphamic acid; sulphamic acid; sulfamic acid:

In-vitro mutagenicity:

Method:

-OECD Guideline 471 (Bacterial Reverse Mutation Assay) = negative. Literature information: ECHA Dossier

-OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) = negative. Literature information: ECHA Dossier

-OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) = negative. Literature information: ECHA Dossier

sodium silicate:

No experimental indications of mutagenicity in-vitro exist. Literature information: ECHA-Dossier. No experimental indications of mutagenicity in-vivo exist. Literature information: ECHA-Dossier. Longterm experiments do not indicate carcinogenic effects. Literature information: ECHA-Dossier. Evidence for reproductive toxicity in experimental animals. Literature information: ECHA-Dossier.

STOT-single exposure

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

STOT-repeated exposure

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

sodium silicate:

Subchronic oral toxicity (180d, Rat.) NOAEL = >159 mg/kg; Literature information: MSDS extern.

Aspiration hazard

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

Specific effects in experiment on an animal

No data available.

11.2. Information on other hazards

Endocrine disrupting properties

No data available.

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
5329-14-6	sulfamic acid, sulphamic acid, sulphamidic acid					
	Acute fish toxicity	LC50 mg/l	70,3	96 h	Pimephales promelas	ECHA Dossier

Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 9 of 13

	Acute algae toxicity	ErC50	48 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 mg/l	71,6	48 h	Daphnia magna	ECHA Dossier	
	Crustacea toxicity	NOEC	19 mg/l	21 d	Daphnia magna	ECHA Dossier	
	Acute bacteria toxicity	(>200 mg/l)		3 h	Activated sludge	ECHA Dossier	
13870-28-5	sodium silicate						
	Acute fish toxicity	LC50 mg/l	>500	96 h	Danio rerio (zebra-fish)	ECHA-Dossier	OECD 203
	Acute crustacea toxicity	EC50	491 mg/l	48 h	Daphnia magna	ECHA-Dossier	OECD 202
	Algae toxicity	NOEC	18 mg/l	3 d	Desmodesmus subspicatus	ECHA-Dossier	OECD 201
	Acute bacteria toxicity	(720 mg/l)			activated sludge	ECHA-Dossier	OECD 209
	Fatty alcohol alkoxyolate 2						
	Acute fish toxicity	LC50 mg/l	>1-10	96 h	Leuciscus idus (golden orfe)	MSDS extern.	
	Acute algae toxicity	ErC50 mg/l	>1-10	96 h		MSDS extern.	
	Acute crustacea toxicity	EC50 mg/l	>1-10	48 h		MSDS extern.	
	Algae toxicity	NOEC mg/l	>0,1-1	3 d	Selenastrum capricornutum	MSDS extern.	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Fatty alcohol alkoxyolate 2			
	OECD 301B; ISO 9439; 92/69/EWG, C.4-C	>60%	28	MSDS extern.
	Product is biodegradable.			

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
5329-14-6	sulfamic acid, sulphamic acid, sulphamidic acid	0
13870-28-5	sodium silicate	< 3

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture (>0,1%) do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 10 of 13

13.1. Waste treatment methods

Disposal recommendations

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - used product

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	UN 2967
14.2. UN proper shipping name:	SULPHAMIC ACID
14.3. Transport hazard class(es):	8
14.4. Packing group:	III

Hazard label:



Classification code:	C2
Limited quantity:	5 kg
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 2967
14.2. UN proper shipping name:	SULPHAMIC ACID
14.3. Transport hazard class(es):	8
14.4. Packing group:	III

Hazard label:





Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 11 of 13

Classification code: C2
 Limited quantity: 5 kg
 Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 2967
14.2. UN proper shipping name: SULPHAMIC ACID
14.3. Transport hazard class(es): 8
14.4. Packing group: III
 Hazard label: 8



Special Provisions: -
 Limited quantity: 5 kg
 Excepted quantity: E1
 EmS: F-A, S-B
 Segregation group: 1 - acids

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 2967
14.2. UN proper shipping name: SULPHAMIC ACID
14.3. Transport hazard class(es): 8
14.4. Packing group: III
 Hazard label: 8



Special Provisions: A803
 Limited quantity Passenger: 5 kg
 Passenger LQ: Y845
 Excepted quantity: E1
 IATA-packing instructions - Passenger: 860
 IATA-max. quantity - Passenger: 25 kg
 IATA-packing instructions - Cargo: 864
 IATA-max. quantity - Cargo: 100 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Refer to section 6-8

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC): No information available.
 2004/42/EC (VOC): No information available.

Safety Data Sheet

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 12 of 13

Information according to 2012/18/EU
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to UK-REACH Regulation

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

UK REACH Appendix XVII, No (mixture): -

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
sodium silicate

SECTION 16: Other information

Changes

Rev. 1.00; 29.01.2015 Initial release

Rev. 2.00; Revision: 08.11.2019 (Changes in chapter: 2-8, 10-16)

Rev. 3.00; Revision: 13.01.2022 (Changes in chapter: 6, 8, 9, 10, 11, 12, 14, 15, 16)

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

AGW: Arbeitsplatzgrenzwert

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EINECS: European Inventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

ECHA: European Chemicals Agency

EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

h: hour

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect concentration

NLP: No-Longer Polymers

N/A: not applicable

OECD: Organisation for Economic Co-operation and Development

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

REACH: Registration, Evaluation, Authorisation of Chemicals

**Safety Data Sheet**

according to UK REACH Regulation

Hobart® Hygiene Tabs intensiv

Revision date: 13.01.2022

Product code:

Page 13 of 13

SVHC: substance of very high concern
TRGS: Technische Regeln für Gefahrstoffe
UN: United Nations
VOC: Volatile Organic Compounds

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Further Information

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:
Health hazards: Calculation method.
Environmental hazards: Calculation method.
Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)