

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 1 of 12

**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.

**1.3. Details of the supplier of the safety data sheet****IMPORTER:**

Company name:	HOBART FOOD EQUIPMENT
Street:	UNIT 1, 2 PICKEN Street
Place:	SILVERWATER, NSW 2128
Telephone:	1800462278
e-mail:	sales@hobartfood.com.au
Internet:	www.hobartfood.com.au

**1.4. Emergency telephone number:**

Poison Centre Australia: 131126

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification: Hazardous according to Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia  
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

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****Hazard components for labelling**

sodium silicate

Fatty alcohol alkoxyolate 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.

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 2 of 12

**Precautionary statements**

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

**2.3. Other hazards**

No information available.

**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.

**Further Information**

Product does not contain listed SVHC substances

**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 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.

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 3 of 12

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). 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 (CO<sub>2</sub>). Sulfur oxides. Nitrogen oxides (NO<sub>x</sub>). 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**

Safe handling: see section 7

Personal protection equipment: see section 8

Avoid the formation of dust.

**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**

Take up mechanically.

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

Safe handling: see section 7

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.

**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 feeding stuff.

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 4 of 12

**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 <sup>3</sup>
13870-28-5	sodium silicate			
Worker DNEL, long-term		inhalation	systemic	11,21 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	159 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,39 mg/m <sup>3</sup>
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	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.

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 5 of 12

**Protective and hygiene measures**

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Avoid contact with eyes. Do not breathe dust.

**Eye/face protection**

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

**Hand protection**

Wear suitable gloves.

Suitable material:

FKM fluororubber, Butyl rubber, NBR (Nitrile rubber),PVC.

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:

**Respiratory protection**

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

Respiratory protection necessary at:

-Exceeding exposure limit values

-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**

No special precautionary measures are necessary.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: solid  
Colour: white  
Odour: odourless

pH-Value: 2(2g/l)

2 (2g/l)

**Changes in the physical state**

Melting point: not determined  
Initial boiling point and boiling range: not determined  
Sublimation point: not determined  
Softening point: not determined  
Pour point: not determined  
Flash point: not determined

Sustaining combustion: Not sustaining combustion

**Explosive properties**

Dust Clouds may present an explosion hazard.

Lower explosion limits: not determined

Upper explosion limits: not determined

Ignition temperature: not determined

**Auto-ignition temperature**

Solid: not determined  
Gas: not determined

Decomposition temperature: not determined

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 6 of 12

**Oxidizing properties**

none

Vapour pressure:

not determined

Density (at 20 °C):

1,7 g/cm<sup>3</sup>

Water solubility:

miscible.

(at 20 °C)

**Solubility in other solvents**

not determined

Partition coefficient:

not determined

Viscosity / dynamic:

not determined

Viscosity / kinematic:

not determined

Flow time:

not determined

Vapour density:

not determined

Evaporation rate:

not determined

Solvent separation test:

not determined

Solvent content:

not determined

**9.2. Other information**

Solid content:

not determined

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 7 of 12

**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 (CO<sub>2</sub>). Sulfur oxides. Nitrogen oxides (NO<sub>x</sub>). Silicon dioxide.**SECTION 11: Toxicological information****11.1. Information on toxicological effects****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 alkoxyolate 2				
	oral	LD50 >2000-5000 mg/kg	Rat.	MSDS extern	

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye damage.

sodium silicate:

Eye Dam. 1 - Specific concentration limit (SCL):  $\geq 10\%$ 

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.

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 8 of 12

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.

sulphamidic 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.

**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 70,3 mg/l	96 h	Pimephales promelas	ECHA Dossier	
	Acute algae toxicity	ErC50 48 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 71,6 mg/l	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 >500 mg/l	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 alkoxylyate 2					



**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 9 of 12

**12.2. Persistence and degradability**

The product has not been tested.

CAS No	Chemical name	Method	Value	d	Source
	Fatty alcohol alkoxylate 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
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 do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No data available.

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Waste disposal according to official state 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)**

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 10 of 12

**14.1. UN number:** UN 1759  
**14.2. UN proper shipping name:** CORROSIVE SOLID, N.O.S. (sulfamic acid, sulphamic acid, sulphamidic acid)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Classification code: C10 HAZCHEM Code: 2X  
Special Provisions: 274  
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:** UN 1759  
**14.2. UN proper shipping name:** CORROSIVE SOLID, N.O.S. (sulfamic acid, sulphamic acid, sulphamidic acid)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Classification code: C10  
Special Provisions: 274  
Limited quantity: 5 kg  
Excepted quantity: E1

**Marine transport (IMDG)**

**14.1. UN number:** UN 1759  
**14.2. UN proper shipping name:** CORROSIVE SOLID, N.O.S. (sulfamic acid, sulphamic acid, sulphamidic acid)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Marine pollutant: NO  
Special Provisions: 223, 274  
Limited quantity: 5 kg  
Excepted quantity: E1  
EmS: F-A, S-B

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 1759

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 11 of 12

**14.2. UN proper shipping name:** CORROSIVE SOLID, N.O.S. (sulfamic acid, sulphamic acid, sulphamidic acid)

**14.3. Transport hazard class(es):** 8

**14.4. Packing group:** III

Hazard label: 8



Special Provisions: A3 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. Transport in bulk according to Annex II of Marpol and the IBC Code**

not relevant

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia.

**National regulatory information**

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: 06.01.2020

Rev. 2.1; Revision 21.03.2022

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

AGW: Arbeitsplatzgrenzwert

**Hobart® Hygiene Tabs intensiv**

Revision date: 21.03.2022

Product code: 897954

Page 12 of 12

AVV: Abfallverzeichnisverordnung  
CAS Chemical Abstracts Service  
CLP: Classification, Labelling and Packaging of substances and mixtures  
DNEL: Derived No Effect Level  
d: day(s)  
EAKV: Europäisches Abfallverzeichnis gemäß Entwurf Abfallverzeichnisverordnung  
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: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
REACH: Registration, Evaluation, Authorisation of Chemicals  
SVHC: substance of very high concern  
TRGS Technische Regeln fuer Gefahrstoffe  
UN: United Nations  
VOC: Volatile Organic Compounds  
VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe  
WGK: Wassergefaehrdungsklasse

**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**

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.)*