

Hobart® Hygiene Tabs intensiv

Revision date: 21.03.2022

Product code: 897954

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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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 alkoxylate 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.

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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, sulphanidic 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 drunken 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.

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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**

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.

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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
DNEL type				
5329-14-6	sulfamic acid, sulphamic acid, sulphanidic acid			
Worker DNEL, long-term		inhalation	systemic	7,5 mg/m³
13870-28-5	sodium silicate			
Worker DNEL, long-term		inhalation	systemic	11,21 mg/m³
Consumer DNEL, long-term		dermal	systemic	159 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,39 mg/m³
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	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.

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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:	

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Oxidizing properties

none

Vapour pressure:

not determined

Density (at 20 °C):

1,7 g/cm³Water solubility:
(at 20 °C)

miscible.

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

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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 productsCan 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 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, sulphanidic acid				
	dermal	LD50 mg/kg	>2000	Rat	ECHA Dossier
13870-28-5	sodium silicate				
	oral	LD50 mg/kg	2507	Rat	ECHA-Dossier
	inhalation (4 h) aerosol	LC50 mg/l	>3,51	Rat	ECHA-Dossier
Fatty alcohol alkoxylate 2					
	oral	LD50 5000 mg/kg	>2000-	Rat.	MSDS extern

Irritation and corrosivity

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.

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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
	Algea 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 alkoxylate 2					

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12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name	Method	Value	d	Source
	Evaluation				
	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)**

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

Hazard label:



C10

HAZCHEM Code: 2X

Classification code:

Special Provisions:

Limited quantity:

Excepted quantity:

Transport category:

Hazard No:

Tunnel restriction code:

274

5 kg

E1

3

80

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, sulphanidic acid)**14.3. Transport hazard class(es):** 8**14.4. Packing group:** III

Hazard label:



C10

274

5 kg

E1

Classification code:

Special Provisions:

Limited quantity:

Excepted quantity:

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

Hazard label:



NO

223, 274

5 kg

E1

F-A, S-B

Marine pollutant:

Special Provisions:

Limited quantity:

Excepted quantity:

EmS:

Air transport (ICAO-TI/ATA-DGR)**14.1. UN number:** UN 1759

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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



A3 A803

Special Provisions:

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

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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 wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

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.)