

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 06.12.2017

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höm Dual Bleach Tabs

SECTION 1: Identification

Product identifier

Product name: höm Dual Bleach Tabs

Product code: Dual Bleach Tabs



Recommended use of the product and restriction on use

Relevant identified uses: Disinfecting tabs

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Supplier:

Scotch Corporation

1255 Viceroy

Dallas, TX 75247 USA

1-800-334-2077

mail@scotchcorp.com

Emergency telephone number:

CHEMTREC

+1 703-741-5970 (International)

CHEMTREC

1-800-424-9300 (USA)

SECTION 2: Hazard(s) identification

GHS classification:

Acute toxicity (oral), category 4.

Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H302 Harmful if swallowed

Precautionary statements:

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P330+P312 IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

P405 Store locked up.

P501 Dispose of contents and container as instructed in Section 13.

Hazards not otherwise classified:None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
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CAS number: 112926-00-8	Silica gel, precipitated, crystalline free	0.08
CAS number: 124-04-9	Adipic Acid	2
CAS number: 144-55-8	Sodium hydrogencarbonate	32.56
CAS number: 27344-41-8	Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinylen)bis(benzenesulphonate)	0.44
CAS number: 68-12-2	N,N-Dimethylformamide	<0.01
CAS number: 74811-65-7	Croscarmellose sodium	0.6
CAS number: 51580-86-0	Troclosene Sodium, Dihydrate	64.1

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

No additional information.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position.

Maintain an unobstructed airway.

Get medical advice/attention if you feel unwell.

After skin contact:

Rinse affected area with soap and water.

If symptoms develop or persist, seek medical attention.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

If symptoms develop or persist, seek medical attention.

After swallowing:

Do not induce vomiting and rinse mouth.

If vomiting occurs naturally, lie on your side, in the recovery position.

Get medical advice if you feel unwell or concerned.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not available.

Delayed symptoms and effects:

Not determined or not available.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not available.

Notes for the doctor:

No additional information.

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SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

Unsuitable extinguishing media:

No information available.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors.

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

Special precautions:

Carbon monoxide and carbon dioxide may form upon combustion.

Heating causes a rise in pressure, risk of bursting and combustion.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

Ensure adequate ventilation.

Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Sweep or scoop up solid material while minimizing dust generation.

Dispose of contents / container in accordance with local regulations.

Reference to other sections:

None

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing dust.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Keep container dry.

Store in a cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Adipic Acid	124-04-9	ACGIH TLV TWA 5 mg/m ³
	Silica gel, precipitated, crystalline free	112926-00-8	ACGIH TLV TWA 10.0 mg/m ³
	N,N-Dimethylformamide	68-12-2	ACGIH TLV TWA: 10 ppm

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Country (Legal Basis)	Substance	Identifier	Permissible concentration
United States (OSHA)	Silica gel, precipitated, crystalline free	112926-00-8	OSHA PEL TWA 20 mg/m ³
	Silica gel, precipitated, crystalline free	112926-00-8	OSHA PEL Ceiling (80 mppcf)/%SiO ₂ mg/m ³
	N,N-Dimethylformamide	68-12-2	OSHA PEL TWA: 10 ppm
	N,N-Dimethylformamide	68-12-2	Odor Threshold Low : 0.47 ppm
	N,N-Dimethylformamide	68-12-2	Odor Threshold High : 100 ppm

Biological limit value:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Solid
Odor	Characteristic
Odor threshold	Not determined or not available.
pH	6.5
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.

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Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Soluble in water.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Product does not self-ignite
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

Warning! Do not use together with other products. May release dangerous gases (chlorine).

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Harmful if swallowed

Product data: No data available.

Substance data:

Name	Route	Result
Troclosene Sodium, Dihydrate	oral	LD50 - Rat - 1,671 mg/kg
N,N-Dimethylformamide	dermal	LD50 - Rabbit (Skin) - 4720 mg/kg
	inhalation	LCLo - Rat (Inhalation) - 5000 ppm/6H

Skin corrosion/irritation

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

Product data: No data available.

Substance data:

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Name	Result
Troclosene Sodium, Dihydrate	Causes severe skin burns and eye damage.

Serious eye damage/irritation

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

Product data: No data available.

Substance data:

Name	Result
Troclosene Sodium, Dihydrate	Causes serious eye damage.
Adipic Acid	Result: Irritating (Rabbit)
Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinylene)bis(benzenesulfonate)	Irritating effect on the eyes.

Respiratory or skin sensitization

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

Product data: No data available.

Substance data: No data available.

Carcinogenicity

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

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC):

Name	Classification
Silica gel, precipitated, crystalline free	Group 3 - Not classifiable as to its carcinogenicity to humans
N,N-Dimethylformamide	Group 3 - Not classifiable as to its carcinogenicity to humans

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

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

Product data: No data available.

Substance data: No data available.

Reproductive toxicity

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

Product data: No data available.

Substance data:

Name	Result
N,N-Dimethylformamide	May cause congenital malformation in the fetus.

Specific target organ toxicity (single exposure)

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

Product data: No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

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

Product data: No data available.

Substance data: No data available.

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Aspiration toxicity

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

Product data: No data available.

Substance data: No data available.

Information on likely routes of exposure: No data available.

Symptoms related to the physical, chemical and toxicological characteristics: No data available.

Other information: No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

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

Product data: No data available.

Substance data:

Name	Result
Troclosene Sodium, Dihydrate	LC50 - Oncorhynchus mykiss - 0.24 mg/L - 96 h
N,N-Dimethylformamide	LC50 - Oncorhynchus mykiss (rainbow trout) - 9, 000 - 13, 000 mg/l 96 h
	EC50 - Daphnia magna (Water flea) - 9,600 - 13, 100 mg/l - 48 h
	LC50 - Desmodesmus subsoicatus (green algae) - > 500 mg/l - 96 h

Chronic (long-term) toxicity

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

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects:

No information available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	3077
UN proper shipping name	Environmentally Hazardous Substances, solid, N.O.S. Troclosene Sodium, Dihydrate


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UN transport hazard class(es)	9	
Packing group	III	
Environmental hazards	Marine Pollutant Troclosene Sodium, Dihydrate	
Special precautions for user	None	
Passenger air/rail	No limit	
Cargo aircraft only	No limit	
Stowage category	A	

International Maritime Dangerous Goods (IMDG)

UN number	3077	
UN proper shipping name	Environmentally Hazardous Substances, solid, N.O.S. Troclosene Sodium, Dihydrate	
UN transport hazard class(es)	9	
Packing group	III	
Environmental hazards	Marine Pollutant Troclosene Sodium, Dihydrate	
Special precautions for user	None	
EmS number	F-A, S-F	
Stowage category	Category A	
Excepted quantities	E1	
Limited quantity	5 kg	

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	3077	
UN proper shipping name	Environmentally Hazardous Substances, solid, N.O.S. Troclosene Sodium, Dihydrate	
UN transport hazard class(es)	9	
Packing group	III	
Environmental hazards	Marine Pollutant Troclosene Sodium, Dihydrate	
Special precautions for user	None	
ERG code	9L	
Excepted quantities	E1	
Passenger and cargo	400 kg	
Cargo aircraft only	400 kg	
Limited quantity	30 kg G	

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Bulk Name	None
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Ship type	None
Pollution category	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

112926-00-8	Silica gel, precipitated, crystalline free	Not Listed
124-04-9	Adipic Acid	Listed
144-55-8	Sodium hydrogencarbonate	Listed
27344-41-8	Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinylene)bis(benzenesulphonate)	Listed
68-12-2	N,N-Dimethylformamide	Listed
74811-65-7	Croscarmellose sodium	Not Listed
51580-86-0	Troclosene Sodium, Dihydrate	Not Listed

Significant New Use Rule (TSCA Section 5): Not listed

Export notification under TSCA Section 12(b): Not listed

SARA Section 311/312 hazards:

Acute	Chronic	Fire	Pressure	Reactive
Yes	No	No	No	No

SARA Section 302 extremely hazardous substances: Not listed

SARA Section 313 toxic chemicals: Not listed

CERCLA: Not listed

RCRA: Not listed

Section 112(r) of the Clean Air Act (CAA): Not listed

Massachusetts Right to Know:

112926-00-8	Silica gel, precipitated, crystalline free	Listed
124-04-9	Adipic Acid	Listed
68-12-2	N,N-Dimethylformamide	Listed
51580-86-0	Troclosene Sodium, Dihydrate	Listed

New Jersey Right to Know:

68-12-2	N,N-Dimethylformamide	Listed
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New York Right to Know:

124-04-9	Adipic Acid	Listed
68-12-2	N,N-Dimethylformamide	Listed

Pennsylvania Right to Know:

124-04-9	Adipic Acid	Listed
68-12-2	N,N-Dimethylformamide	Listed
51580-86-0	Troclosene Sodium, Dihydrate	Listed

California Proposition 65: Not listed

SECTION 16: Other information

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Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-0-0

HMIS: 2-0-0

Initial preparation date: 06.12.2017

End of Safety Data Sheet