

according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2) Revision: 2020-12-21

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

1.1 Product identifier

Article number

Identification of the substance Registration number (REACH) CAS number Alternative name(s)

2-Methyl-2H-isothiazol-3-one hydrochloride

this information is not available

26172-54-3

2-methyl-2,3-dihydro-1,2-thiazol-3-one hydrochloride

A0015289

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

Relevant identified uses Uses advised against

General use

Do not use for squirting or spraying. Do not use for products which come into direct contact with the skin.

1.3 Details of the supplier of the safety data sheet

Chemos GmbH & Co. KG Sonnenring 7 84032 Altdorf Germany

Telephone: +49 871-966346-0 Telefax: +49 871-966346-13 e-mail: chemos@chemos.de Website: http://www.chemos.de/

e-mail (competent person)

1.4 Emergency telephone number

Emergency information service

chemos@chemos.de

+49 89 1 92 40

Poison centre				
Country	Name	Postal code/ city	Telephone	Telefax
United Kingdom	National Poison Information Centre Medical Toxicology Unit	SE14 5ER Lon- don	+44 171 635 91 91	

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Section	Hazard class	Category	Hazard class and cat- egory	Hazard state- ment
3.10	acute toxicity (oral)	3	Acute Tox. 3	H301
3.1D	acute toxicity (dermal)	3	Acute Tox. 3	H311
3.1I	acute toxicity (inhal.)	1	Acute Tox. 1	H330
3.2	skin corrosion/irritation	1A	Skin Corr. 1A	H314



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Revision: 2020-12-21

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2)

Section	Hazard class	Category	Hazard class and cat- egory	Hazard state- ment
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
3.4S	skin sensitisation	1	Skin Sens. 1	H317
4.1A	hazardous to the aquatic environment - acute hazard	1	Aquatic Acute 1	H400
4.1C	hazardous to the aquatic environment - chronic hazard	1	Aquatic Chronic 1	H410

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word danger
- Pictograms

GHS05, GHS06, GHS09

- Hazard statements

H301+H311	Toxic if swallowed or in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H410	Very toxic to aquatic life with long lasting effects.

- Precautionary statements

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P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

- Supplemental hazard information EUH071 Corrosive to the respiratory tract.

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2)

SECTION 3: Composition/information on ingredients

3.1	Substances	
	Name of substance	2-methyl-2H-isothiazol-3-one hydrochloride
	Identifiers	
	CAS No	26172-54-3
	EC No	247-499-3
	Molar mass	151.6 ^g / _{mol}

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Rinse skin with water/shower.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, Alcohol resistant foam, ABC-powder

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Deposited combustible dust has considerable explosion potential.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

Revision: 2020-12-21



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2) Revision: 2020-12-21

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains, Take up mechanically

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Removal of dust deposits.



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0

Revision: 2020-12-21

Replaces version of: 2019-03-05 (GHS 2)

- Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 **Control parameters**

Occup	Occupational exposure limit values (Workplace Exposure Limits)									
Coun- try	Name of agent	CAS No	Identi- fier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [mg/m³]		Source
GB	dust		WEL		10				i	EH40/ 2005
GB	dust		WEL		4				r	EH40/ 2005

Notation

Ceiling-C ceiling value is a limit value above which exposure should not occur

inhalable fraction respirable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

8.2 **Exposure controls**

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

In the case of wanting to use the gloves again, clean them before taking off and air them well.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

Particulate filter device (EN 143).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Revision: 2020-12-21

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid (powder, crystalline)
Colour	white
Odour	faintly perceptible
Melting point/freezing point	≥165 – ≤170 °C at 99.04 kPa
Boiling point or initial boiling point and boiling range	not determined
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not determined
Flash point	not applicable
Auto-ignition temperature	>140 °C (ECHA)
Decomposition temperature	190 °C at 99.04 kPa (есна)
pH (value)	not applicable
Kinematic viscosity	not relevant

Solubility(ies)

Water solubility 420.3 ^g / _l at 20 °C		
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Partition coefficient

Partition coefficient n-octanol/water (log value)	-0.44 (pH value: ~2, 20 °C) (ECHA)
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Vapour pressure

Density and/or relative density

Density	not determined
Vapour density	this information is not available
Relative vapour density	Information on this property is not available



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2) Revision: 2020-12-21

Particle characteristics		
Particle size	105.4 µm	
Other information		
Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards):	
Other safety characteristics		
Surface tension	71.3 ^{mN} / _m (20 °C) (ECHA)	
Solid content	100 %	

SECTION 10: Stability and reactivity

10.1 Reactivity

9.2

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Toxic if swallowed. Toxic in contact with skin. Fatal if inhaled.

- Acute toxicity estimate (ATE)

Oral	175 ^{mg} / _{ka}
Dermal	300 ^{mg} / _{kg} 0.005 ^{mg} / _l /4h
Inhalation: dust/mist	0.005 ^{mg} / _l /4h

Skin corrosion/irritation

Causes severe skin burns and eye damage.



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2) Revision: 2020-12-21

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard Shall not be classified as presenting an aspiration hazard.

Other information Corrosive to the respiratory tract.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute)			
Endpoint	Value	Species	Exposure time
EC50	2.33 ^{mg} / _l	aquatic invertebrates	48 h
ErC50	0.289 ^{mg} / _l	algae	72 h

Biodegradation

Not readily biodegradable.

12.2 Persistence and degradability

 Process of degradability

 Process
 Degradation rate

 Carbon dioxide generation
 0 %

 28 d

12.3 Bioaccumulative potential

Data are not available.



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2) Revision: 2020-12-21

n-octanol/water	(oo)	I KOW)
II octanol/water		

-0.44 (pH value: ~2, 20 °С) (ЕСНА)

12.4 Mobility in soil

Г

Data are not available.

12.5 Results of PBT and vPvB assessment Data are not available.

Data are not available.

12.6 Endocrine disrupting properties

Information on this property is not available.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1	UN number	
	ADR/RID/ADN	2928
	IMDG-Code	2928
	ICAO-TI	2928
14.2	UN proper shipping name	
	ADR/RID/ADN	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.
	IMDG-Code	TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.
	ICAO-TI	Toxic solid, corrosive, organic, n.o.s.
	Technical name	2-methyl-2H-isothiazol-3-one hydrochloride
14.3	Transport hazard class(es)	
	ADR/RID/ADN	6.1 (8)
	IMDG-Code	6.1 (8)
	ICAO-TI	6.1 (8)
14.4	Packing group	
	ADR/RID/ADN	II
	IMDG-Code	II
	ICAO-TI	II



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2)

14.5 Environmental hazards

hazardous to the aquatic environment

Revision: 2020-12-21

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information

Classification code	TC2
Danger label(s)	6.1+8, fish and tree
Environmental hazards	YES (hazardous to the aquatic environment)
Special provisions (SP)	274, 802(ADN)
Excepted quantities (EQ)	E4
Limited quantities (LQ)	500 g
Transport category (TC)	2
Tunnel restriction code (TRC)	D/E
Hazard identification No	68
Emergency Action Code	2X
International Maritime Dangerous Goods Code (IMDG) - Additional information
Marine pollutant	YES (hazardous to the aquatic environment)
Danger label(s)	6.1+8, fish and tree
Special provisions (SP)	274
Excepted quantities (EQ)	E4
Limited quantities (LQ)	500 g
EmS	F-A, S-B
Stowage category	В
International Civil Aviation Organization (ICAO-	IATA/DGR) - Additional information
Environmental hazards	YES (hazardous to the aquatic environment)
Danger label(s)	6.1+8
Special provisions (SP)	A5
Excepted quantities (EQ)	E4
Limited quantities (LQ)	1 kg



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2) Revision: 2020-12-21

SECTION 15: Regulatory information

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

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel- evant
1.4	Emergency information service: This number is only available during the following office hours: Mon - Thu 08:00 AM - 05:00 PM, Fri 08:00 AM - 12:00 PM	Emergency information service: +49 89 1 92 40	yes
1.4		Poison centre: change in the listing (table)	yes
2.1		Classification according to Regulation (EC) No 1272/2008 (CLP): change in the listing (table)	yes
2.1	The most important adverse physicochemical, hu- man health and environmental effects: Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis.	The most important adverse physicochemical, hu- man health and environmental effects: Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. Spillage and fire water can cause pollution of watercourses.	yes
2.2		- Pictograms: change in the listing (table)	yes
2.2		- Hazard statements: change in the listing (table)	yes
2.2		- Precautionary statements: change in the listing (table)	yes
3.1		Molar mass: 151.6 ^{g/} mol	yes
5.2	Hazardous combustion products: Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)	Hazardous combustion products: Carbon monoxide (CO), Carbon dioxide (CO2)	yes
7.2	- Ventilation requirements: Use local and general ventilation.	- Ventilation requirements: Keep any substance that emits harmful vapours or gases in a place that allows these to be per- manently extracted. Use local and general ventil- ation.	yes
8.2	Hand protection: Wear protective gloves.	Hand protection: In the case of wanting to use the gloves again, clean them before taking off and air them well.	yes
9.1	Appearance		yes
9.1	Physical state: solid	Physical state: solid (powder, crystalline)	yes
9.1	Odour: characteristic	Odour: faintly perceptible	yes
9.1	Other safety parameters		yes



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Revision: 2020-12-21

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-re evant
9.1		Lower and upper explosion limit: not determined	yes
9.1	Evaporation rate: not determined		yes
9.1	Explosion limits of dust clouds: not determined		yes
9.1	Viscosity: not relevant (solid matter)		yes
9.1	Explosive properties: none		yes
9.1	Oxidising properties: none		yes
9.1		Kinematic viscosity: not relevant	yes
9.1		Density and/or relative density	yes
9.1		Particle characteristics	yes
9.2		Information with regard to physical hazard classes: hazard classes acc. to GHS (physical hazards):	yes
9.2		Other safety characteristics	yes
11.1	Acute toxicity: Shall not be classified as acutely toxic.	Acute toxicity: Toxic if swallowed. Toxic in contact with skin. Fatal if inhaled.	yes
11.1		- Acute toxicity estimate (ATE): change in the listing (table)	yes
11.1	Respiratory or skin sensitisation: May cause allergy or asthma symptoms or breath- ing difficulties if inhaled. May cause an allergic skin reaction.	Respiratory or skin sensitisation: May cause an allergic skin reaction.	yes
11.2		Information on other hazards: There is no additional information.	yes
12.1	Toxicity: Shall not be classified as hazardous to the aquatic environment.	Toxicity: Very toxic to aquatic life with long lasting effects.	yes
12.1		Aquatic toxicity (acute): change in the listing (table)	yes
12.6	Other adverse effects: Data are not available.	Endocrine disrupting properties: Information on this property is not available.	yes
14.1	UN number: 3261	UN number	yes
14.1		ADR/RID/ADN: 2928	yes
14.1		IMDG-Code: 2928	yes
14.1		ICAO-TI: 2928	yes



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Revision: 2020-12-21

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-re evant
14.2	UN proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	UN proper shipping name	yes
14.2		ADR/RID/ADN: TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	yes
14.2		IMDG-Code: TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S.	yes
14.2		ICAO-TI: Toxic solid, corrosive, organic, n.o.s.	yes
14.3	Class: 8 (corrosive substances)		yes
14.3		ADR/RID/ADN: 6.1 (8)	yes
14.3		IMDG-Code: 6.1 (8)	yes
14.3		ICAO-TI: 6.1 (8)	yes
14.4	Packing group: II (substance presenting medium danger)	Packing group	yes
14.4		ADR/RID/ADN: II	yes
14.4		IMDG-Code: II	yes
14.4		ICAO-TI: II	yes
14.7	UN number: 3261		yes
14.7	Proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.		yes
14.7	Class: 8		yes
14.7	Packing group: II		yes
14.7	Classification code: C4	Classification code: TC2	yes
14.7	Danger label(s): 8, fish and tree	Danger label(s): 6.1+8, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Special provisions (SP): 274	Special provisions (SP): 274, 802(ADN)	yes
14.7	Excepted quantities (EQ): E2	Excepted quantities (EQ): E4	yes
14.7	Limited quantities (LQ): 1 kg	Limited quantities (LQ): 500 g	yes
14.7	Tunnel restriction code (TRC): E	Tunnel restriction code (TRC): D/E	yes



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Revision: 2020-12-21

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel evant
14.7	Hazard identification No: 80	Hazard identification No: 68	yes
14.7	UN number: 3261		yes
14.7	Proper shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.		yes
14.7	Class: 8		yes
14.7	Packing group: II		yes
14.7	Danger label(s): 8, fish and tree	Danger label(s): 6.1+8, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Excepted quantities (EQ): E2	Excepted quantities (EQ): E4	yes
14.7	Limited quantities (LQ): 1 kg	Limited quantities (LQ): 500 g	yes
14.7	Segregation group: 1 - Acids		yes
14.7	UN number: 3261		yes
14.7	Proper shipping name: Corrosive solid, acidic, organic, n.o.s.		yes
14.7	Class: 8		yes
14.7	Packing group: II		yes
14.7	Danger label(s): 8	Danger label(s): 6.1+8	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7	Special provisions (SP): A3	Special provisions (SP): A5	yes
14.7	Excepted quantities (EQ): E2	Excepted quantities (EQ): E4	yes
14.7	Limited quantities (LQ): 5 kg	Limited quantities (LQ): 1 kg	yes
16		Abbreviations and acronyms: change in the listing (table)	yes
16		List of relevant phrases (code and full text as stated in chapter 2 and 3): change in the listing (table)	yes



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2)

Revision: 2020-12-21

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de naviga- tion intérieures (European Agreement concerning the International Carriage of Dangerous Goods by In- land Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ADR/RID/ADN	European Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identi fier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-li- cence/)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Na- tions
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regula- tions concerning the International carriage of Dangerous goods by Rail)
STEL	Short-term exposure limit
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative



according to Regulation (EC) No. 1907/2006 (REACH)

2-Methyl-2H-isothiazol-3-one hydrochloride

Version number: GHS 3.0 Replaces version of: 2019-03-05 (GHS 2) Revision: 2020-12-21

Abbr.	Descriptions of used abbreviations
WEL	Workplace exposure limit

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.