

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

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

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

1.1	Product identifier	
	Identification of the substance	Acrolein
	CAS number	107-02-8
	Alternative name(s)	prop-2-enal, acrylaldehyde, Acrylaldehyde
	Article number	A0290626
1.2	Relevant identified uses of the substance or mix	cture and uses advised against
	Relevant identified uses	General use
	Uses advised against	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)

chemos@chemos.de

1.4 Emergency telephone number

Emergency information service

+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 acc. to GHS

Section	Hazard class	Category	Hazard class and cat- egory	Hazard state- ment
2.6	flammable liquid	2	Flam. Liq. 2	H225
3.10	acute toxicity (oral)	2	Acute Tox. 2	H300
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	1B	Skin Corr. 1B	H314
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318



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

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

Section	Hazard class	Category	Hazard class and cat- egory	Hazard state- ment
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. The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling

- Signal word danger
- Pictograms

GHS02, GHS05, GHS06, GHS09



- Hazard statements

nazara statements	
H225	Highly flammable liquid and vapour.
H300+H330	Fatal if swallowed or if inhaled.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H410	Very toxic to aquatic life with long lasting effects

- Precautionary statements

···· · · · · · · · · · · · ·	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.

- 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.



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

Acrolein

 Version number: GHS 1.0
 Date of compilation: 2022-12-12

 SECTION 3: Composition/information on ingredients
 Section (1000)

 3.1
 Substances
 acrolein

 Identifiers
 acrolein

 CAS No
 107-02-8

 EC No
 203-453-4

 Index No
 605-008-00-3

Specific Conc. Limits	M-Factors	ATE	Exposure route
Skin Corr. 1B; H314: C ≥ 0.1 % Eye Dam. 1; H318: C ≥ 0.1 %	M-factor (acute) = 100 M-factor (chronic) = 1	13.9 ^{mg} / _{kg} 300 ^{mg} / _{kg} 8.3 ^{ppmV} / _{4h} 0.058 ^{mg} / _l /4h	oral dermal inhalation: gas inhalation: vapour

Molecular formula

Molar mass

C3H4O 56.06 ^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

Wash with plenty of soap and water.

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



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

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mix-tures.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

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

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

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.



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

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

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. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

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

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- 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. Ground/bond container and receiving equipment.

- 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

Occu	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
EU	acrolein (acrylalde- hyde) (prop-2-en- al)	107-02-8	IOELV	0.02	0.05	0.05	0.12			2017/ 164/EU
GB	acrylaldehyde (ac- rolein)	107-02-8	WEL	0.02	0.05	0.05	0.12			EH40/ 2005

Notation

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

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)

STEL



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

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

Notation

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)

Human health values

Relevant DNELs and other threshold levels								
Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time				
DNEL	0.2 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects				
DNEL	0.2 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects				
DNEL	0.08 mg/kg bw/ day	human, dermal	worker (industry)	chronic - systemic effects				

Environmental values

Relevant	Relevant PNECs and other threshold levels							
Endpoint	Threshold level	Organism	Environmental compartment	Exposure time				
PNEC	0 ^{mg} /l	aquatic organisms	freshwater	short-term (single instance)				
PNEC	0 ^{mg} / _l	aquatic organisms	marine water	short-term (single instance)				
PNEC	0.002 ^{mg} / _l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)				
PNEC	0 ^{mg} / _{kg}	terrestrial organisms	soil	short-term (single instance)				

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

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

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

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

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



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

Acrolein

Date of compilation: 2022-12-12

Version number: GHS 1.0

ON 9: Physical and chemical properties					
Information on basic physical and chemical properties					
Physical state	liquid				
Colour	not determined				
Odour	characteristic				
Melting point/freezing point	-87.7 °C				
Boiling point or initial boiling point and boiling range	52.6 °C at 1,013 hPa				
Flammability	flammable liquid in accordance with GHS criter				
Lower and upper explosion limit	2.8 vol% - 31 vol%				
Flash point	-26 °C				
Auto-ignition temperature	220 °C (ECHA) (auto-ignition temperature (liquids and gases				
Decomposition temperature	Decomposition onset temperature:				
pH (value)	not determined				
Kinematic viscosity	0.4167 ^{mm²} / _s at 20 °C				

Solubility(ies)

Water solubility	208 ^g / _l at 20 °C
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Partition coefficient

Partition coefficient n-octanol/water (log value)	-0.01 (ECHA)
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Vapour pressure	293 hPa at 20 °C
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Density and/or relative density

Density	0.84 ^g / _{cm³} at 20 °C
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)
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acc. to Regulation (EC) No. 1907/2006 (REACH)

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

9.2 Other information

Other information			
Information with regard to physical hazard classes	there is no additional information		
Other safety characteristics			
Surface tension	27.6 ^{mN} / _m (20 °C) (ECHA)		
Solvent content	100 %		

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". It's a reactive substance. The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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 toxicological effects

Classification acc. to GHS

Acute toxicity

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

- Acute toxicity estimate (ATE)

Oral Dermal	13.9 ^{mg} / _{kg} 300 ^{mg} / _{kg} 8.3 ^{ppmV} / _{4h}
Inhalation: gas	8.3 ^{ppmV} / _{4h}
Inhalation: vapour	0.058 ^{mg} / _I /4h

Skin corrosion/irritation

Causes severe skin burns and eye damage.



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

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitisation Shall not be classified as a respiratory or skin sensitiser.

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
LC50	19.5 ^{µg} / _l	fish	96 h
EC50	19.5 ^{µg} / _l	fish	96 h
ErC50	0.061 ^{mg} / _l	algae	72 h

Aquatic toxicity (chronic)

Endpoint Value		Species	Exposure time
EC50	0.02 ^{mg} / _l	microorganisms	2 h



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

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

12.2 Persistence and degradability

Biodegradation

The substance is readily biodegradable.

12.3 Bioaccumulative potential

Data are not available.

n-octanol/water (log KOW)	-0.01 (ECHA)
BCF	344 (ЕСНА)

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment 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

Waste treatment-relevant information

Solvent reclamation/regeneration.

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 or ID number

	ADR/RID	UN 1092	
	IMDG-Code	UN 1092	
14.2	UN proper shipping name		
	ADR/RID	ACROLEIN, STABILIZED	
	IMDG-Code	ACROLEIN, STABILIZED	
14.3	14.3 Transport hazard class(es)		
	ADR/RID	6.1 (3)	
	IMDG-Code	6.1 (3)	



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

Acrolein

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Versior	number: GHS 1.0	Date of compilation: 2022-12-1	
14.4	Packing group		
	ADR/RID	Ι	
	IMDG-Code	Ι	
14.5	Environmental hazards	hazardous to the aquatic environment	
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		
	Agreement concerning the Internation	onal Carriage of Dangerous Goods by Road (ADR) -	
	Classification code	TF1	
	Danger label(s)	6.1+3, fish and tree	
	Environmental hazards	Yes (hazardous to the aquatic environment)	
	Special provisions (SP)	354, 386, 802(ADN)	
	Excepted quantities (EQ)	EO	
	Limited quantities (LQ)	0	
	Transport category (TC)	1	
	Tunnel restriction code (TRC)	C/D	
	Hazard identification No	663	
	Emergency Action Code	2WE	
	Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - Additional information		
	Classification code	TF1	
	Danger label(s)	6.1+3, fish and tree	
	Environmental hazards	Yes (hazardous to water)	
	Special provisions (SP)	354, 386, 802(ADN)	
	Excepted quantities (EQ)	EO	
	Limited quantities (LQ)	0	
	Transport category (TC)	1	
	Hazard identification No	663	



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

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	yes (P) (hazardous to the aquatic environment)	
Danger label(s)	6.1+3, fish and tree	
Special provisions (SP)	354, 386	
Excepted quantities (EQ)	EO	
Limited quantities (LQ)	0	
EmS	F-E, S-D	
Stowage category	D	

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information Carriage prohibited.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

Deco-Paint Directive

VOC content	100 %
Industrial Emissions Directive (IED)	

VOC content

100 %

National regulations (GB)

List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list not listed

Restrictions according to GB REACH, Annex 17

Dangerous substances with restrictions (GB REACH, Annex 17)			
Name of substance	Name acc. to inventory	CAS No	No
acrolein	this product meets the criteria for classifica- tion in accordance with Regulation No 1272/ 2008/EC		3
acrolein	flammable / pyrophoric		40

National inventories

Country	Inventory	Status
AU	AIIC	substance is listed
CA	DSL	substance is listed
CN	IECSC	substance is listed
EU	ECSI	substance is listed
EU	REACH Reg.	substance is listed



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

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

Country	Inventory	Status
JP	CSCL-ENCS	substance is listed
KR	KECI	substance is listed
MX	INSQ	substance is listed
NZ	NZIoC	substance is listed
PH	PICCS	substance is listed
TW	TCSI	substance is listed
US	TSCA	substance is listed as "ACTIVE"

Legend

Legenu	
AIIC	Australian Inventory of Industrial Chemicals
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
DSL	Domestic Substances List (DSL)
ECSI	EC Substance Inventory (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
INSQ	National Inventory of Chemical Substances
KECI	Korea Existing Chemicals Inventory
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2017/164/EU	Commission Directive establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/ 161/EU
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concern- ing the International Carriage of Dangerous Goods by Road)
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
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



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

Acrolein

Version number: GHS 1.0

Date of compilation: 2022-12-12

Abbr.	Descriptions of used abbreviations
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
GB CLP	The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended)
GB REACH	The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Na- tions
ΙΑΤΑ	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
IOELV	Indicative occupational exposure limit value
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
M-factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
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
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).



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

Acrolein

Version number: GHS 1.0

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

Code	Text
H225	Highly flammable liquid and vapour.
H300	Fatal if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
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.