

SAFETY DATA SHEET

PRODUCT NAME: VROOAM INSTANT SILICONE GASKET SEALANT 0.2L



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

1.1 Product identifier

Trade name : VROOAM Instant Silicone Gasket Sealant
 Registration number : (REACH) not relevant (mixture)
 Product code(s) : 74501

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

Relevant identified uses : Sealant
 Industrial uses
 Professional uses
 Uses advised against : Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet.

VROOAM Powersports Lubricants INT. B.V.
 Aventurijn 300
 3316 LB Dordrecht (NL)
 0031 (0) 78 750 1632
www.vrooam-lubricants.com
info@vrooam-lubricants.com

· Further information obtainable from: Product Safety Department

1.4. Emergency telephone number: 0031 (0) 78 750 16 32 (9 AM to 5 PM, Monday to Friday)

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 category	Hazard statement
2.3	aerosols	3	Aerosol 3	H229

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

2.2 Label elements

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

- Signal word : warning
- Pictograms : not required

- Hazard statements

H229 Pressurised container: May burst if heated.

- Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P251 Do not pierce or burn, even after use.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes Specific Conc. Limits	M-Factors
Trimethoxyvinylsilane	CAS No 2768-02-7 EC No 220-449-8 REACH Reg. No 01- 2119513215 - 52-xxxx	1 – < 5	Flam. Liq. 3 / H226 Acute Tox. 4 / H332			

For full text of H-phrases: see SECTION 16.

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. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). 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. 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.

Self-protection of the first aider

Provision of sufficient ventilation. Wear suitable protective clothing, gloves and eye/face protection.

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 spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

Water jet

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5.2 Special hazards arising from the substance or mixture

Hazardous combustion products
Nitrogen oxides (NOx)

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. Self-contained breathing apparatus (SCBA). SCBA with a chemical protection suit only where personal (close) contact is likely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Follow emergency procedures such as the need to evacuate the danger area or to consult an expert. Remove persons to safety. Provision of sufficient ventilation. Prevent skin contact. Avoid inhaling sprayed product. Collection and use of expertise.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

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

Advices on how to contain a spill

Covering of drains

Advices 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.

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. Use only in well-ventilated areas.

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

- Flammability hazards

Do not spray on an open flame or other ignition source. Protect from sunlight.

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Control of effects

Protect from sunlight.

- Packaging compatibilities

Keep only in original container. Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

Sealant. Industrial uses. Professional uses.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

This information is not available.

Relevant DNELs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Trimethoxyvinylsilane	2768-02-7	DNEL	2.6 mg/m ³	human, inhalatory	worker (industry)	chronic – systemic effects
Trimethoxyvinylsilane	2768-02-7	DNEL	2.6 mg/m ³	human, inhalatory	worker (industry)	acute – systemic effects
Trimethoxyvinylsilane	2768-02-7	DNEL	0.2 mg/kg bw/day	human, dermal	worker (industry)	chronic – systemic effects
Trimethoxyvinylsilane	2768-02-7	DNEL	0.2 mg/kg bw/day	human, dermal	worker (industry)	acute – systemic effects

Relevant PNECs of components of the mixture						
Name of substance	CAS No	Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
Trimethoxyvinylsilane	2768-02-7	PNEC	0.36 mg/l	aquatic organisms	freshwater	short-term (single instance)
Trimethoxyvinylsilane	2768-02-7	PNEC	0.036 mg/l	aquatic organisms	marine water	short-term (single instance)
Trimethoxyvinylsilane	2768-02-7	PNEC	6.6 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Trimethoxyvinylsilane	2768-02-7	PNEC	1.3 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Trimethoxyvinylsilane	2768-02-7	PNEC	0.13 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Trimethoxyvinylsilane	2768-02-7	PNEC	0.055 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

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Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection. Use safety goggle with side protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/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.

- Type of material

NBR: acrylonitrile-butadiene rubber

- Material thickness

> 0.35 mm

- Breakthrough times of the glove material

>480 minutes (permeation: level 6)

- Other protection measures

Protective clothing against liquid chemicals. Footwear protecting against chemicals. Preventive skin protection (barrier creams/ointments) is recommended. Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Type: ABEK (combined filters against gases and vapours, colour code: Brown/Grey/Yellow/Green).

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : liquid (paste)
 Colour : red
 Odour : pungent

Other safety parameters

pH (value) : not determined
 Melting point/freezing point : not determined
 Initial boiling point and boiling range : not determined
 Flash point : >100 °C
 Evaporation rate : not determined
 Flammability (solid, gas) : not relevant, (fluid) non-flammable aerosol in accordance with GHS criteria

Explosive limits

- Lower explosion limit (LEL) : 1.4 vol%
 - Upper explosion limit (UEL) : 19.9 vol%
 Vapour pressure : not determined
 Density : 1.41 g/cm³
 Vapour density : this information is not available
 Solubility(ies) : not determined

Partition coefficient

- n-octanol/water (log KOW) : this information is not available
 Auto-ignition temperature : >400 °C
 Decomposition temperature : not determined
 Viscosity : not determined

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Explosive properties : none
 Oxidising properties : none
9.2 Other information
 VOC content : 2.4 %

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). 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

Do not spray on an open flame or other ignition source. Keep away from heat.

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture

Name of substance	CAS No	Exposure route	ATE
Trimethoxyvinylsilane	2768-02-7	inhalation: vapour	11 mg/l/4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

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.

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SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Trimethoxyvinylsilane	2768-02-7	LC50	191 mg/l	fish	96 h
Trimethoxyvinylsilane	2768-02-7	EC50	168.7 mg/l	aquatic invertebrates	48 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Trimethoxyvinylsilane	2768-02-7	EC50	297.2 mg/l	aquatic invertebrates	24 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Endocrine disrupting potential

None of the ingredients are listed.

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.

RUBRIEK 14: Informatie met betrekking tot het vervoer

14.1 UN number

1950

14.2 UN proper shipping name

AEROSOLS

14.3 Transport hazard class(es)

Class 2 (gases) (aerosol)

Subsidiary risk(s) 2.2 (gas under pressure)

14.4 Packing group

not assigned to a packing group

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14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

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

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

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)

UN number	1950
Proper shipping name	AEROSOLS
Class	2
Classification code	5A
Danger label(s)	2.2



Special provisions (SP)	190, 327, 344, 625
Excepted quantities (EQ)	E0
Limited quantities (LQ)	1 L
Transport category (TC)	3
Tunnel restriction code (TRC)	E

International Maritime Dangerous Goods Code (IMDG)

UN number	1950
Proper shipping name	AEROSOLS
Class	2.2
Marine pollutant	-
Danger label(s)	2.2



Special provisions (SP)	63, 190, 277, 327, 344, 381, 959
Excepted quantities (EQ)	E0
Limited quantities (LQ)	1 L
EmS	F-D, S-U
Stowage category	-

International Civil Aviation Organization (ICAO-IATA/DGR)

UN number	1950
Proper shipping name	Aerosols, non-flammable
Class	2.2
Danger label(s)	2.2



Special provisions (SP)	A98, A145, A167
Excepted quantities (EQ)	E0
Limited quantities (LQ)	30 kg

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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)

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

Deco-Paint Directive (2004/42/EC)

VOC content 0 %

Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content 2.4 %

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

none of the ingredients are listed

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

none of the ingredients are listed

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safetyrelevant
2.1	Classification according to Regulation (EC) No 1272/2008 (CLP): This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.	Classification according to Regulation (EC) No 1272/2008 (CLP)	yes
2.1		Classification according to Regulation (EC) No 1272/2008 (CLP): change in the listing (table)	yes
2.2	Labelling according to Regulation (EC) No 1272/2008 (CLP): not required	Labelling according to Regulation (EC) No 1272/2008 (CLP)	yes
2.2		- Signal word: warning	yes
2.2		- Pictograms: not required	yes
2.2		- Hazard statements: change in the listing (table)	yes
2.2		- Precautionary statements: change in the listing (table)	yes
3.2	Mixtures: For full text of H-phrases: see SECTION 16.	Mixtures	yes
3.2		Description of the mixture	yes
3.2		Description of the mixture: change in the listing (table)	yes
5.1	Suitable extinguishing media: Water spray, Alcohol resistant foam, BCpowder, Carbon dioxide (CO2)	Suitable extinguishing media: Water spray, BC-powder, Carbon dioxide (CO2)	yes
7.2		Managing of associated risks	yes
7.2		- Flammability hazards: Do not spray on an open flame or other ignition source. Protect from sunlight.	yes
7.2	- Packaging compatibilities: Keep only in original container.	- Packaging compatibilities: Keep only in original container. Only packagings which are approved (e.g. acc. to ADR) may be used.	yes

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8.1		Relevant DNELs of components of the mixture: change in the listing (table)	yes
8.1		Relevant PNECs of components of the mixture: change in the listing (table)	yes
9.1	Flash point: not determined	Flash point: >100 °C	yes
9.1	Flammability (solid, gas): not relevant, (fluid)	Flammability (solid, gas): not relevant, (fluid) non-flammable aerosol in accordance with GHS criteria	yes
9.1	Explosive limits: not determined	Explosive limits	yes
9.1		Lower explosion limit (LEL): 1.4 vol%	yes
9.1		Upper explosion limit (UEL): 19.9 vol%	yes
9.1	Density: 1.03 g/cm ³	Density: 1.41 g/cm ³	yes
9.1	Solubility(ies)	Solubility(ies): not determined	yes
9.1	Water solubility: miscible in any proportion		yes
9.1	Auto-ignition temperature: not determined	Auto-ignition temperature: >400 °C	yes
9.1	VOC content: 0.99 %	VOC content: 2.4 %	yes
10.1	Reactivity: Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".	Reactivity: Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Risk of ignition.	yes
10.2	Chemical stability: The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.	Chemical stability: See below "Conditions to avoid".	yes
10.4	Conditions to avoid: There are no specific conditions known which have to be avoided.	Conditions to avoid: Do not spray on an open flame or other ignition source. Keep away from heat.	yes
11.1	Classification according to GHS (1272/2008/EC, CLP): This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.	Classification according to GHS (1272/2008/EC, CLP)	yes
11.1		Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)	yes
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)	yes
12.6	Other adverse effects: Data are not available.	Other adverse effects	yes
12.6		Endocrine disrupting potential: None of the ingredients are listed.	yes
13.1	Waste treatment of containers/packagings: Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	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.	yes

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		Handle contaminated packages in the same way as the substance itself.	
14.1	UN number: not subject to transport regulations	UN number: 1950	yes
14.2	UN proper shipping name: not relevant	UN proper shipping name: AEROSOLS	yes
14.3	Transport hazard class(es): none	Transport hazard class(es)	yes
14.3		Class: 2 (gases) (aerosol)	yes
14.3		Subsidiary risk(s): 2.2 (gas under pressure)	yes
14.4	Packing group: not relevant	Packing group: not assigned to a packing group	yes
14.6	Special precautions for user: There is no additional information.	Special precautions for user: Provisions for dangerous goods (ADR) should be complied within the premises.	yes
14.7	Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN): Not subject to ADR, RID and ADN.	Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)	yes
14.7		UN number: 1950	yes
14.7		Proper shipping name: AEROSOLS	yes
14.7		Class: 2	yes
14.7		Classification code: 5A	yes
14.7		Danger label(s): 2.2	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): 190, 327, 344, 625	yes
14.7		Excepted quantities (EQ): E0	yes
14.7		Limited quantities (LQ): 1 L	yes
14.7		EmS: F-D, S-U	yes
14.7		Stowage category: -	yes
14.7	International Civil Aviation Organization (ICAO/IATA/ DGR): Not subject to ICAO-IATA.	International Civil Aviation Organization (ICAO/IATA/ DGR)	yes
14.7		UN number: 1950	yes
14.7		Proper shipping name: Aerosols, non-flammable	yes
14.7		Class: 2.2	yes
14.7		Danger label(s): 2.2	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Special provisions (SP): A98, A145, A167	yes
14.7		Excepted quantities (EQ): E0	yes
14.7		Limited quantities (LQ): 30 kg	yes
15.1		List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list: none of the ingredients are listed	yes

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15.1	VOC content: 0.99 %	VOC content: 0 %	yes
15.1	VOC content: 0.99 %	VOC content: 2.4 %	yes
15.1		Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II: none of the ingredients are listed	yes
15.1		Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR): none of the ingredients are listed	yes
15.1		Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD): none of the ingredients are listed	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)	yes
16		List of relevant phrases (code and full text as stated in chapter 2 and 3): change in the listing (table)	yes

Abbr. Descriptions of used abbreviations

Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	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
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
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
SCBA	Self-contained breathing apparatus
SVHC	Substance of Very High Concern
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

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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).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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

Code	Text
H226	Flammable liquid and vapour.
H229	Pressurized container: may burst if heated.
H332	Harmful if inhaled.

Disclaimer

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