

## Safety Data Sheet

### PRIMER PER AQUAFLEX

Safety Data Sheet dated 23/7/2018, version 3

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

1.1. Product identifier

Trade name: PRIMER PER AQUAFLEX

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

Recommended use:

Solvent-borne primer

Uses advised against:

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1.3. Details of the supplier of the safety data sheet

Supplier:

Mapei New Zealand Ltd

30 Fisher Crescent

Mt Wellington

Auckland

New Zealand

Competent person responsible for the safety data sheet:

sicurezza@mapei.it

1.4. Emergency telephone number

New Zealand

Ph: +64 9 921 1994 (Mon-Fri 9am-5pm)

Fax: +64 9 921 1993

www.mapei.co.nz

enquiries@mapei.co.nz

New Zealand Poisons Centre:

Ph: 0800 764 766

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#### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ Warning, STOT SE 3, May cause respiratory irritation.
- ⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.
- ☠ Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.
- ☠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

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Danger

Hazard Statements:

- H226 Flammable liquid and vapour.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H304 May be fatal if swallowed and enters airways.
- H411 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.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273 Avoid release to the environment.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER.
- P312 EU4\$P312.1
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.

Special Provisions:

None

Contains

hydrocarbons C9 aromatics  
bis(isopropyl)naphthalene

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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### SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 50% - < 75% hydrocarbons C9 aromatics

REACH No.: 01-2119455851-35-xxxx, EC: 918-668-5

- ⊠ 2.6/3 Flam. Liq. 3 H226
- ⊠ 4.1/C2 Aquatic Chronic 2 H411
- ⊠ 3.10/1 Asp. Tox. 1 H304
- ⚠ 3.8/3 STOT SE 3 H335
- ⚠ 3.8/3 STOT SE 3 H336

>= 10% - < 20% bis(isopropyl)naphthalene

REACH No.: 01-2119565150-48-XXXX, CAS: 38640-62-9, EC: 254-052-6

- ⊠ 3.10/1 Asp. Tox. 1 H304
- ⊠ 4.1/C1 Aquatic Chronic 1 H410

>= 10% - < 20% 2-methoxy-1-methylethyl acetate

REACH No.: 01-2119475791-29-xxxx, Index number: 607-195-00-7, CAS: 108-65-6, EC:

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203-603-9

◊ 2.6/3 Flam. Liq. 3 H226

>= 0.005% - < 0.01% vinyl chloride; chloroethylene

Index number: 602-023-00-7, CAS: 75-01-4, EC: 200-831-0

◊ 2.5 Press. Gas H280

◊ 2.2/1 Flam. Gas 1 H220

◊ 3.6/1A Carc. 1A H350

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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wash immediately with water for at least 10 minutes.

In case of Ingestion:

Do NOT induce vomiting.

A suspension of activated charcoal in water, or petroleum jelly may be administered.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

##### 4.2. Most important symptoms and effects, both acute and delayed

The product is a liquid that can catch fire at temperatures in excess of 21 C if exposed to an ignition source.

If inhaled, the product causes irritation in the airways.

##### 4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

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#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use CO2, chemical powders or foam.

Water.

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

##### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

The original ingredients or unidentified toxic and/or irritant compounds may be present in the combustion fumes.

##### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
- Wear personal protection equipment.
  - Remove all sources of ignition.
  - Wear breathing apparatus if exposed to vapours/dusts/aerosols.
  - Provide adequate ventilation.
  - Use appropriate respiratory protection.
  - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
- Limit leakages with earth or sand.
  - Eliminate all unguarded flames and possible sources of ignition. Do not smoke.
  - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
  - Retain contaminated washing water and dispose it.
  - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
  - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
- After the product has been recovered, rinse the area and materials involved with water.
- Suitable material for taking up: absorbing material, organic, sand
  - Wash with plenty of water.
  - Retain contaminated washing water and dispose it.
- 6.4. Reference to other sections
- See also section 8 and 13

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#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
- Avoid contact with skin and eyes, inhalation of vapours and mists.
  - Use localized ventilation system.
  - Don't use empty container before they have been cleaned.
  - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. (see point 10.5)
  - Contaminated clothing should be changed before entering eating areas.
  - Do not eat or drink while working.
  - Do not smoke while working.
  - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
- Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
  - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
  - Keep away from food, drink and feed.
  - Incompatible materials:
    - None in particular.
  - Instructions as regards storage premises:
    - Cool and adequately ventilated.
- 7.3. Specific end use(s)
- None in particular

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#### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
- hydrocarbons C9 aromatics
    - ACGIH - TWA(8h): 100 mg/m<sup>3</sup>, 19 ppm
  - 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
    - ACGIH - TWA: 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: Skin
    - SUVA - TWA: 275 mg/m<sup>3</sup>, 50 ppm

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NDS - TWA: 260 mg/m<sup>3</sup>  
NDSch - TWA: 520 mg/m<sup>3</sup>  
EU - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: Skin  
vinyl chloride; chloroethylene - CAS: 75-01-4  
EU - TWA(8h): 7.7 mg/m<sup>3</sup>, 3 ppm  
ACGIH - TWA(8h): 1 ppm - Notes: A1 - Lung cancer, Liver dam

**DNEL Exposure Limit Values**  
hydrocarbons C9 aromatics  
Consumer: 11 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
Consumer: 32 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Worker Industry: 150 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Industry: 25 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

2-methoxy-1-methylethyl acetate - CAS: 108-65-6  
Worker Industry: 796 mg/kg - Consumer: 320 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
Worker Industry: 275 mg/m<sup>3</sup> - Consumer: 33 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
Consumer: 36 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects  
Worker Industry: 550 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

**PNEC Exposure Limit Values**  
2-methoxy-1-methylethyl acetate - CAS: 108-65-6  
Target: Fresh Water - Value: 0.635 mg/l  
Target: Marine water - Value: 0.0635 mg/l  
Target: Freshwater sediments - Value: 3.29 mg/kg  
Target: Marine water sediments - Value: 0.329 mg/kg  
Target: MAP2 - Value: 6.35 mg/l  
Target: Microorganisms in sewage treatments - Value: 100 mg/l  
Target: Soil (agricultural) - Value: 0.29 mg/kg

#### 8.2. Exposure controls

##### Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

##### Protection for skin:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.  
Neoprene gloves are suggested (0,5 mm) not recommended gloves: not waterproof gloves

##### Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.  
Use adequate protective respiratory equipment.  
In case of insufficient ventilation use mask with ABEKP filters (EN 14387).).

Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

##### Thermal Hazards:

None

##### Environmental exposure controls:

None

##### Appropriate engineering controls:

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None

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#### SECTION 9: Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

Appearance:	liquid
Colour:	colorless
Odour:	typical
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	== °C
Initial boiling point and boiling range:	Not determined
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	Not determined
Flash point:	46 °C
Evaporation rate:	Not determined
Vapour pressure:	== kPa (23°C)
Relative density:	N.A.
Vapour density (air=1):	Not determined
Solubility in water:	N.A.
Solubility in oil:	N.A.
Viscosity:	N.A.
Auto-ignition temperature:	N.A. - No explosive or spontaneous ignition in contact with air at room temperature
Explosion limits(by volume):	N.A.
Decomposition temperature:	N.A.
Partition coefficient (n-octanol/water):	N.A. - This product is a mixture
Explosive properties:	N.A. - No components with explosive properties
Oxidizing properties:	N.A. - No component with oxidizing properties

##### 9.2. Other information

No additional information

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#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

Stable under normal conditions

##### 10.2. Chemical stability

Stable under normal conditions

##### 10.3. Possibility of hazardous reactions

It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

##### 10.4. Conditions to avoid

Stable under normal conditions.

##### 10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

##### 10.6. Hazardous decomposition products

None.

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#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

Route(s) of entry:

Ingestion: Yes

Inhalation: Yes

Contact: Yes

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

The following tests refer to a mixture with a similar composition

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Toxicological information on main components of the mixture:

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

bis(isopropyl)naphthalene - CAS: 38640-62-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 4000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 4000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5.6 mg/l - Duration: 4h

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LC50 - Route: Inhalation Dust - Species: Rat > 23.8 mg/l - Source: 6 h

e) germ cell mutagenicity:

Test: map1 - Route: Inhalation - Species: Rat = 1000 Ppm

g) reproductive toxicity:

Test: map1 - Route: Inhalation - Species: Rat = 500 Ppm

Corrosive/Irritating Properties:

Skin:

The product can cause a temporary irritation by prolonged contact.

Eye:

The product can cause a temporary irritation by contact.

Carcinogenic Effects:

No effects are known.

Mutagenic Effects:

No effects are known.

Teratogenic Effects:

No effects are known.

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

a) acute toxicity

b) skin corrosion/irritation

c) serious eye damage/irritation

d) respiratory or skin sensitisation

e) germ cell mutagenicity

f) carcinogenicity

g) reproductive toxicity

h) STOT-single exposure

i) STOT-repeated exposure

j) aspiration hazard

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good industrial practices, so that the product is not released into the environment.

Biodegradability: no data available on the preparation.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

hydrocarbons C9 aromatics

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 9.2 mg/l - Duration h: 96

bis(isopropyl)naphthalene - CAS: 38640-62-9

a) Aquatic acute toxicity:

Endpoint: LL50 - Species: Daphnia = 1.7 mg/l - Duration h: 48

Endpoint: NOEC - Species: Daphnia = 0.013 mg/l - Notes: 21 d

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

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Endpoint: LC50 - Species: Fish = 100-180 mg/l - Duration h: 96  
Endpoint: EC50 - Species: Daphnia > 500 mg/l - Duration h: 48  
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72  
Endpoint: NOEC - Species: Algae = 1000 mg/l - Duration h: 96

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 47.5 mg/l - Notes: 14 d  
Endpoint: NOEC - Species: Daphnia = 100 mg/l - Notes: 21 d

- 12.2. Persistence and degradability  
N.A.
- 12.3. Bioaccumulative potential  
N.A.
- 12.4. Mobility in soil  
N.A.
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
None  
Not available data on the mixture

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### SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force. Dispose of this material and its container to hazardous or special waste collection point. Use appropriate container to avoid environmental contamination.

This material and its container must be disposed of as hazardous waste.

91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

Disposal of not hardened product (EC waste code) : 08 01 11

The suggested European waste code is just based on the composition of the product.

According to the specific process or application field a different waste code may be necessary.

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### SECTION 14: Transport information

- 14.1. UN number  
UN Number: 1263
- 14.2. UN proper shipping name  
ADR-Shipping Name: UN 1263, PAINT RELATED MATERIAL
- 14.3. Transport hazard class(es)  
Rail/Road(RID/ADR): 3  
ADR-Upper number: NA  
Air (ICAO/IATA): 3  
Sea (IMO/IMDG): 3
- 14.4. Packing group  
Packing Group: III  
ADR-Packing Group: III  
IATA-Packing group: III  
IMDG-Packing group: III
- 14.5. Environmental hazards  
Marine pollutant: Yes
- 14.6. Special precautions for user  
ADR-Tunnel Restriction Code: D/E  
EMS no: D/E
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code  
No

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### SECTION 15: Regulatory information

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- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Dir. 98/24/EC (Risks related to chemical agents at work)
  - Dir. 2000/39/EC (Occupational exposure limit values)
  - Regulation (EC) n. 1907/2006 (REACH)
  - Regulation (EC) n. 1272/2008 (CLP)
  - Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
  - Regulation (EU) 2015/830
  - Regulation (EU) n. 286/2011 (ATP 2 CLP)
  - Regulation (EU) n. 618/2012 (ATP 3 CLP)
  - Regulation (EU) n. 487/2013 (ATP 4 CLP)
  - Regulation (EU) n. 944/2013 (ATP 5 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 2

Restriction 28

Legislative Decree no. 81 of the 9th of April 2008 Title XI "Dangerous substances - Chapter I - Protection against chemical agents"

Directive 2000/39/CE and s.m.i. (Professional threshold limit)

Legislative Decree no. 152 of the 3rd of April 2006 and subsequent modifications and additions. (Environmental regulations)

Directive 105/2003/CE (Seveso III): N.A.

ADR Agreement – IMDG Code – IATA Regulation

VOC (2004/42/EC) : 750 g/l

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c, E2

15.2. Chemical safety assessment

No

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## SECTION 16: Other information

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.

H411 Toxic to aquatic life with long lasting effects.

H304 May be fatal if swallowed and enters airways.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H410 Very toxic to aquatic life with long lasting effects.

H280 Contains gas under pressure; may explode if heated.

H220 Extremely flammable gas.

H350 May cause cancer.

NP: The substance is not classified "carcinogenic" because it contains less than 0,1% by weight of benzene.

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification

SECTION 8: Exposure controls/personal protection

SECTION 11: Toxicological information

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SECTION 12: Ecological information  
SECTION 14: Transport information  
SECTION 15: Regulatory information  
SECTION 16: Other information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances  
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
OEL:	Substance with a Union workplace exposure limit.
VLE:	Threshold Limiting Value.
WGK:	German Water Hazard Class.
TSCA:	United States Toxic Substances Control Act Inventory
DSL:	DSL - Canadian Domestic Substances List
N.A.:	Not available