

SAFETY DATA SHEET

Hema Free Monomer

 **GLITTERBELS®**
by Annabel



Safety Data Sheet dated 17/7/2025, version 1

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

1.1. Product identifier

Mixture identification:

Trade name:

Hema Free Monomer

Trade code:

P010 5000EE

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

Recommended use:

Not determined or not applicable

Uses advised against:

Applications where liquid monomer is intended to come into contact with skin or nails.

1.3. Details of the supplier of the safety data sheet

Nails by Annabel Ltd.

Davenport Street, Middleport, Stoke-on-Trent, Staffordshire, ST6 4LN, UK

Competent person responsible for the safety data sheet:

info@glitterbels.com

1.4. Emergency telephone number

+44 1782 901012

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Danger, Flam. Liq. 2, Highly flammable liquid and vapour.



Warning, Skin Irrit. 2, Causes skin irritation.



Warning, Eye Irrit. 2, Causes serious eye irritation.



Warning, Skin Sens. 1A, May cause an allergic skin reaction.



Warning, STOT SE 3, May cause respiratory irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

P010 5000EE/1

Page n. 1 of 12

Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

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.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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.

P312 Call a POISON CENTER/doctor if you feel unwell.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

ethyl methacrylate

2-Propenoic acid, reaction products with dipentaerythritol

Hydroxypropyl Methacrylate

tetraethylene glycol dimethacrylate

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

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

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 or which have been assigned Occupational Exposure Limits:

Qty	Name	Ident. Number	Classification
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Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

>= 75% - < 100%	ethyl methacrylate	Index number: 607-071-00-2 CAS: 97-63-2 EC: 202-597-5	 2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H335  3.2/2 Skin Irrit. 2 H315  3.4.2/1 Skin Sens. 1 H317
>= 10% - < 25%	Hydroxypropyl Methacrylate	CAS: 27813-02-1 EC: 248-666-3 REACH No.: 01-21194902 26-37	 3.3/2 Eye Irrit. 2 H319  3.4.2/1 Skin Sens. 1 H317
>= 1% - < 5%	Glyceroldimethacrylate	CAS: 28497-59-8 EC: 931-227-1	 3.3/2 Eye Irrit. 2 H319
>= 1% - < 5%	tetraethylene glycol dimethacrylate	CAS: 109-17-1 EC: 203-653-1	 3.4.2/1B Skin Sens. 1B H317
>= 1% - < 5%	N,N-bis-(2-hydroxyethyl)-p-toluidine	CAS: 103671-44-9 EC: 600-470-2	 3.1/4/Oral Acute Tox. 4 H302  3.3/1 Eye Dam. 1 H318
>= 0% - < 1%	2-Propenoic acid, reaction products with dipentaerythritol	CAS: 1384855-91-7 EC: 800-838-4 REACH No.: 01-21199806 66-22	 3.3/2 Eye Irrit. 2 H319  3.4.2/1A Skin Sens. 1A H317  4.1/C3 Aquatic Chronic 3 H412

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and water.

In case of eye contact:

After contact with the eyes, rinse with water with the eyelids open for 15 minutes, then seek prompt medical advice.

Protect uninjured eye.

In case of ingestion:

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable remove to hospital and bring these instructions.

In case of inhalation:

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

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

None

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

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

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

Carbon dioxide (CO₂).

CO₂ or Dry chemical fire extinguisher.

Water.

Extinguishing media which must not be used for safety reasons:

Water jet.

5.2. Special hazards arising from the substance or mixture

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts.

Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers.

Avoid unnecessary run-off of extinguishing media which may cause pollution.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Ensure all waste water is collected and treated via a waste watertreatment plant. Keep unnecessary personnel away. The product may undergo spontaneous polymerization at high temperatures. Polymerization is exothermic and may cause damage to the container and/or release of thermal decomposition products. Water or fog may cause frothing which can be violent especially if sprayed into containers of hot or burning liquid. Sealed containers at elevated temperatures or contaminated with water may rupture explosively.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Prevent further leakage or spillage if safe to do so.

Remove sources of ignition.

For cleaning up:

Clear spills immediately

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Other information:

Don't use a brush or compressed air for cleaning surfaces or clothing.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Handle in accordance with good industrial hygiene and safety practice.

Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

Use personal protection recommended in Section 8.
Avoid breathing vapors or mists.

Keep away from heat, sparks, and flame. Keep container closed after each use.
Do NOT use localized heat source such as band heaters to heat/melt product.
Do NOT use steam.

Avoid contact with skin, eyes and clothing. Use good personal hygiene and housekeeping.
After use, wash hands and exposed skin with soap and water.
Do not eat, drink, or smoke while handling product. Observe precautions found on label.
Contaminated work clothing should not be allowed out of the workplace.
Use mechanical ventilation in case of handling which causes formation of vapours. Handle and open container with care. Wear full protective clothing for prolonged exposure and/or high concentrations.

Advice on general occupational hygiene:
Contaminated clothing should be changed before entering eating areas.
Do not eat, drink or smoke when using this product.
Wash hands after use

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, well-ventilated place. Store away from incompatible materials. Keep away from heat, spark and flame. Protect from direct sunlight.

Keep away from food, drink and feed.

Incompatible materials:
Unknown.

7.3. Specific end use(s)

See section 1.2
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL Exposure Limit Values
N.A.
PNEC Exposure Limit Values
N.A.

8.2. Exposure controls

Eye protection:

Wear approved chemical safety goggles when eye exposure is reasonably likely. Wear safety glasses/face protection.

Protection for skin:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

Protection for hands:

Chemical resistant protective gloves (EN 374).

Respiratory protection:

If ventilation is insufficient, suitable respiratory protection must be provided. High-efficiency particulate respirator with full facepiece.

Thermal Hazards:

None

Environmental exposure controls:

Avoid releasing to the environment. Contain spillages.

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Appropriate engineering controls:

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Violet	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	Flam. Liq. 2, H225	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	<23 ° C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	N.A.	--	--
Relative vapour density:	N.A.	--	--

Particle characteristics:

Particle size:	N.A.	--	--
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9.2. Other information

No other relevant information

Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions.
- 10.2. Chemical stability
Unstable on exposure to light
Unstable upon depletion of inhibitor.
Unstable upon exposure to heat.
- 10.3. Possibility of hazardous reactions
The product can polymerize if the shelf life or storage temperature is greatly exceeded. Heat develops during polymerization. Reacts with peroxide and other radical components.
- 10.4. Conditions to avoid
Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures.
Direct sunlight. Heat. Hot surfaces. Freezing conditions. Ultraviolet radiation. Inert gas blanketing.
- 10.5. Incompatible materials
None known.
- 10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Toxicological information of the product:

Premium Adhesive Liquid Violet DMPT Free

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1A H317

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

The product is classified: STOT SE 3 H335

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Hydroxypropyl Methacrylate - CAS: 27813-02-1

a) acute toxicity:

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

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

tetraethylene glycol dimethacrylate - CAS: 109-17-1

a) acute toxicity:

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

Test: LD50 - Route: Skin - Species: Rabbit > 3000 mg/kg

N,N-bis-(2-hydroxyethyl)-p-toluidine - CAS: 103671-44-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 300 mg/kg

2-Propenoic acid, reaction products with dipentaerythritol - CAS: 1384855-91-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices to avoid releasing the product into the environment.

Premium Adhesive Liquid Violet DMPT Free

Not classified for environmental hazards

Based on available data, the classification criteria are not met

Hydroxypropyl Methacrylate - CAS: 27813-02-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 493 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia > 143 mg/l - Duration h: 48

tetraethylene glycol dimethacrylate - CAS: 109-17-1

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 391 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae 68 mg/l - Duration h: 72

2-Propenoic acid, reaction products with dipentaerythritol - CAS: 1384855-91-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 8.9 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 18 mg/l - Duration h: 48

Endpoint: IC50 - Species: Algae 100 mg/l - Duration h: 72

12.2. Persistence and degradability

Hydroxypropyl Methacrylate - CAS: 27813-02-1

Biodegradability: Readily biodegradable

tetraethylene glycol dimethacrylate - CAS: 109-17-1

Biodegradability: Readily biodegradable

2-Propenoic acid, reaction products with dipentaerythritol - CAS: 1384855-91-7

Biodegradability: Not readily biodegradable

12.3. Bioaccumulative potential

Hydroxypropyl Methacrylate - CAS: 27813-02-1

Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

- Not bioaccumulative - Test: BCF - Bioconcentration factor 100
 2-Propenoic acid, reaction products with dipentaerythritol - CAS: 1384855-91-7
 Bioaccumulative - Test: BCF - Bioconcentration factor 86.4
- 12.4. Mobility in soil
 Hydroxypropyl Methacrylate - CAS: 27813-02-1
 No data available.
- 12.5. Results of PBT and vPvB assessment
 vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
 No endocrine disruptor substances present in concentration $\geq 0.1\%$
- 12.7. Other adverse effects
 None

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.

SECTION 14: Transport information



- 14.1. UN number or ID number
 ADR-UN Number: 1993
 IATA-UN Number: 1993
 IMDG-UN Number: 1993
- 14.2. UN proper shipping name
 ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S. (ethyl methacrylate, 1-methoxy-2-propanol; monopropylene glycol methyl ether)
 IATA-Shipping Name: FLAMMABLE LIQUID, N.O.S. (ethyl methacrylate, 1-methoxy-2-propanol; monopropylene glycol methyl ether)
 IMDG-Shipping Name: FLAMMABLE LIQUID, N.O.S. (ethyl methacrylate, 1-methoxy-2-propanol; monopropylene glycol methyl ether)
- 14.3. Transport hazard class(es)
 ADR-Class: 3
 ADR - Hazard identification number: 33
 IATA-Class: 3
 IATA-Label: 3
 IMDG-Class: 3
- 14.4. Packing group
 ADR-Packing Group: II
 IATA-Packing group: II
 IMDG-Packing group: II
- 14.5. Environmental hazards
 ADR-Environmental Pollutant: No
 IMDG-Marine pollutant: No

Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

- IMDG-EmS: F-E , S-E
- 14.6. Special precautions for user
- | | |
|---|--------------|
| ADR-Subsidiary hazards: | - |
| ADR-S.P.: | 274 601 640C |
| ADR-Transport category (Tunnel restriction code): | 2 (D/E) |
| IATA-Passenger Aircraft: | 353 |
| IATA-Subsidiary hazards: | - |
| IATA-Cargo Aircraft: | 364 |
| IATA-S.P.: | A3 |
| IATA-ERG: | 3H |
| IMDG-Subsidiary hazards: | - |
| IMDG-Stowage and handling: | Category B |
| IMDG-Segregation: | - |
- 14.7. Maritime transport in bulk according to IMO instruments
N.A.

SECTION 15: Regulatory information

- 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) n. 2020/878
 - 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)
 - Regulation (EU) n. 605/2014 (ATP 6 CLP)
 - Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 - Regulation (EU) n. 2016/918 (ATP 8 CLP)
 - Regulation (EU) n. 2016/1179 (ATP 9 CLP)
 - Regulation (EU) n. 2017/776 (ATP 10 CLP)
 - Regulation (EU) n. 2018/669 (ATP 11 CLP)
 - Regulation (EU) n. 2018/1480 (ATP 13 CLP)
 - Regulation (EU) n. 2019/521 (ATP 12 CLP)
 - Regulation (EU) n. 2020/217 (ATP 14 CLP)
 - Regulation (EU) n. 2020/1182 (ATP 15 CLP)
 - Regulation (EU) n. 2021/643 (ATP 16 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 48
 - Restriction 75
- Where applicable, refer to the following regulatory provisions :
- Directive 2012/18/EU (Seveso III)
 - Regulation (EC) nr 648/2004 (detergents).
 - Dir. 2004/42/EC (VOC directive)

Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

Provisions related to directive EU 2012/18 (Seveso III):
 Seveso III category according to Annex 1, part 1
 Product belongs to category: P5c

15.2. Chemical safety assessment
 A Chemical Safety Assessment has not been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:
 H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H302 Harmful if swallowed.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 2, H225	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1A, H317	Calculation method
STOT SE 3, H335	Calculation method

This document was prepared by a competent person who has received appropriate training.
 Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
 Commission of the European Communities
 SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
 Nostrand Reinold

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.

Safety Data Sheet

Premium Adhesive Liquid Violet DMPT Free

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.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
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.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.