

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**CADENCE SPRAY VARNISH**

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

CADENCE SPRAY VARNISH

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

An acrylic finisher in a clear which provides permanent protection for all painted finishes.

**1.3. Details of the supplier of the safety data sheet****Address:** Cromartie Hobbycraft Ltd, Park Hall Road, Longton, Stoke-on-Trent, Staffs, ST3 5AY**Telephone:** 01782 319435**E Mail:** info@cromartiehobbycraft.co.uk**Website:** [www.cromartiehobbycraft.co.uk](http://www.cromartiehobbycraft.co.uk)**1.4. Emergency telephone number**

01782 319435

**SECTION 2: Hazard identification****2.1. Classification of the substance or mixture**

CLP REGULATION (EC) No 1272/2008

**CLASSIFICATION:**

Aerosol, Category 2 - Aerosol 2; H223, H229

Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315

Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H336

For full text of H phrases, see Section 16.

**2.2. Label elements**

CLP REGULATION (EC) No 1272/2008

**Hazard Pictograms****Signal Word**

Warning

**Symbols:**

GHS02 (Flame) | GHS07 (Exclamation mark)

**Hazard Statements**

H223

Flammable aerosol.

H229

Pressurized container: may burst if heated.

H319

Causes serious eye irritation.

H315

Causes skin irritation.

H336

May cause drowsiness or dizziness.

**Precautionary Statements****General:**

P102

Keep out of reach of children.

# SAFETY DATA SHEET

Revision Date: 25.03.2020  
Version : 2.5

according to Regulation (EC) No. 1907/2006

## CADENCE SPRAY VARNISH

### Prevention:

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P261	Avoid breathing spray.
P264	Wash with water thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection/face protection.

### Response

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P304+P340 breathing.	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.

### Storage:

P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

### Disposal:

P501	Dispose of contents/container in accordance with applicable local/regional/national/international regulations.
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## 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EC No.	Index No.	% by Wt	Classification
Methyl acetate	79-20-9	201-185-2	607-021-00-X	24-29	Flam. Liq. 2, H225 Eye Irrit. 2, H315 STOT SE 3, H336
Butane	106-97-8	203-448-7	601-004-01-8	7-9	Flam. Gas 1, H220; Press. gas,
Propane	74-98-6	200-827-9	601-003-00-5	14-19	Flam. Gas 1, H220; Press. gas
Xylene	1330-20-7	215-535-7	601-022-00-9	7-9	Flam. Liq. 3, H226 Acute Tox. 4*, H332 Acute Tox. 4*, H312 Skin Irrit. 2, H315
N-butyl acetate	123-86-4	204-658-1	607-025-00-1	7-9	Flam. Liq. 3, H226 STOT SE 3, H336
Methanol	67-56-1	200-659-6	603-001-00-X	1-2	Flam. Liq. 2, H225 Acute Tox. 3*, H331 Acute Tox. 3*, H311 Acute Tox. 3*, H301 STOT SE 1, H370**
2-butoxyethanol	111-76-2	203-905-0	603-014-00-0	0,5-0,7	Acute Tox. 4*, H332 Acute Tox. 4*, H312 Acute Tox. 4*, H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315

# SAFETY DATA SHEET

Revision Date: 25.03.2020  
Version : 2.5

according to Regulation (EC) No. 1907/2006

## CADENCE SPRAY VARNISH

Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Remove person to fresh air. Get medical attention.

##### Skin contact

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

##### Eye contact

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

##### If swallowed

Do not induce vomiting. Get immediate medical attention.

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

See Section 11.1 Information on toxicological effects

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

No information available.

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish. Water spray or fog may be used. Do not use straight streams.

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

Closed containers exposed to heat from fire may build pressure and explode.

#### Hazardous Decomposition or By-Products

##### Substance

Hydrocarbons.  
Carbon monoxide.  
Carbon dioxide.

##### Condition

During combustion.  
During combustion.  
During combustion.

#### 5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

##### *Further Information*

Prevent fire extinguishing water from contaminating surface water or the ground water system.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Use only non-sparking tools.

# SAFETY DATA SHEET

Revision Date: 25.03.2020  
Version : 2.5

according to Regulation (EC) No. 1907/2006

## CADENCE SPRAY VARNISH

Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice.

Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

### 6.3. Methods and material for containment and cleaning up

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam (AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.

### 6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not use in a confined area with minimal air exchange. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidizing agents (e.g. chlorine, chromic acid etc.) Use personal protective equipment (e.g. gloves, respirators...) as required.

### 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Protect from sunlight. Do not exposed to temperatures exceeding 50°C/122F. Store away from heat. Store away from acids. Store away from oxidizing agents.

### 7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Butane	106-97-8	UK HSC	TWA:1450 mg/m <sup>3</sup> (600 ppm) STEL:1810 mg/m <sup>3</sup> (750 ppm)	Sk, BMGV
Methyl acetate	79-20-9	UK HSC	TWA:616 mg/m <sup>-3</sup> (200 ppm) STEL: 760 mg/m <sup>-3</sup> (250 ppm)	

# SAFETY DATA SHEET

Revision Date: 25.03.2020  
Version : 2.5

according to Regulation (EC) No. 1907/2006

CADENCE SPRAY VARNISH				
Xylene	1330-20-7	UK HSC	TWA:220 mg/m <sup>3</sup> (50 ppm) STEL: 441 mg.m <sup>-3</sup> (100 ppm)	
N-butyl acetate	123-86-4	UK HSC	TWA: 724 mg.m <sup>-3</sup> (150 ppm) STEL: 966 mg.m <sup>-3</sup> (200 ppm)	
Methanol	67-56-1	UK HSC	TWA:266 mg/m <sup>-3</sup> (200 ppm) STEL:333 mg/m <sup>-3</sup> (250 ppm)	Sk
2-butoxyethanol	111-76-2	UK HSC	TWA: 123 mg/m <sup>-3</sup> (25 ppm) STEL: 246 mg/m <sup>-3</sup> (50 ppm)	Sk, BMGV

UK HSC : UK Health and Safety  
Commission TWA: Time-Weighted-Average  
STEL: Short Term Exposure Limit

## Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Use in a well-ventilated area. Do not remain in area where available oxygen may be reduced. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:  
Indirect vented goggles.

#### Applicable Norms/Standards

Use eye protection conforming to EN 166

#### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended:

Material	Thickness (mm)	Breakthrough Time
Butyl rubber.	No data available	No data available
Polymer laminate	No data available	No data available

#### Applicable Norms/Standards

Use gloves tested to EN 374

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates  
Half facepiece or full facepiece supplied-air respirator

Organic vapour respirators may have short service life.

# SAFETY DATA SHEET

Revision Date: 25.03.2020  
Version : 2.5

according to Regulation (EC) No. 1907/2006

## CADENCE SPRAY VARNISH

For questions about suitability for a specific application, consult with your respirator manufacturer.

### Applicable Norms/Standards

Use a respirator conforming to EN 140 or EN 136

Use a respirator conforming to EN 140 or EN 136: filter types A & P

## SECTION 9: Physical and chemical properties

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

**Physical state** Liquid.  
**Colour** Transparent

**Specific Physical Form:** Aerosol

pH	<i>Not applicable.</i>
Boiling point/boiling range	>35C
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Not applicable.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	<i>No data available.</i>
Autoignition temperature	<i>No data available.</i>
Flammable Limits(LEL)	<i>No data available.</i>
Flammable Limits(UEL)	<i>No data available.</i>
Vapour pressure	300 mmHg
Relative density	0,75-0,80 kg/lt
Water solubility	Negligible
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Vapour density	<i>Not applicable.</i>
Decomposition temperature	<i>No data available.</i>
Viscosity	<i>Not applicable.</i>
Density	0.802 g/ml

### 9.2. Other information

**EU Volatile Organic Compounds** *No data available.*

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

There is no special reaction hazard with other substances under normal use.

2-BUTOXYETANOL: It decomposes with the effect of heat.

N-BUTYL WITH ACETATE: It easily decomposes with hot.

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

KISILEN (ISOMER MIXTURE): Stable, but can react violently in the presence of strong oxidants such as sulfuric, nitric acid, perchlorates. May form explosive mixtures with air.

2-BUTOXYETHANOL: Oxidizing agents may react dangerously with aluminum. It forms peroxides with air.

ACETATED N-BUTYL: Explosion risk with strong oxidizing agents. Alkali hydroxides can react dangerously with potassium sweat-butoxide. It forms explosive mixtures with air.

### 10.4 Conditions to avoid

Avoid overheating source.

2-BUTOXYETHANOL: Avoid exposure to heat sources and naked flames.

# SAFETY DATA SHEET

Revision Date: 25.03.2020  
Version : 2.5

according to Regulation (EC) No. 1907/2006

## CADENCE SPRAY VARNISH

N-BUTYL WITH ACETATE: Avoid exposure to moisture, heat sources and naked flames.

### 10.5 Incompatible materials

Strong reducers or oxidizers, bases and strong acids, high temperature materials.

N-BUTYL WITH ACETATE: Water, nitrates, strong oxidizing agents, acids and alkalis and potassium t-butoxide.

### 10.6 Hazardous decomposition products

2-BUTOXYETHANOL: Hydrogen.

## SECTION 11: Toxicological information

### 11.1 Information on Toxicological effects

In the absence of experimental toxicological data related to the product, potential hazards of the product to the health were evaluated according to the criteria envisaged in the normative context referenced for classification on the basis of the substance properties covered. Therefore, in order to evaluate toxicological effects caused by exposure to product, consider the concentrations of single substances specified in section 3.

Acute effects: Eye contact may cause irritation; symptoms may include redness, edema, pain and aging eyes. It may cause health disorders including nausea and vomiting.

The product includes highly volatile substances that can be cause to significantly depression in the central nervous system (SNC) conjunction with effects such as dormancy, dizziness, loss of reflex, narcosis.

XYLENE (ISOMER MIXTURE): Toxic effect on central nervous system (brain inflammation); irritant effect on skin, connective tissue, cornea and respiratory system.

METHANOL: The minimum lethal dose for humans after oral administration is considered in the range of 300 to 1000 mg / kg. Oral ingestion of the substance at a rate of 4-10 ml can cause permanent blindness in the adult person (IPCS).

N-BUTYL WITH ACETATE: Vapor of the substance cause irritation to eyes and nose. When repeated exposure, skin irritation, dermatosis (with drying and cracking of the skin) and keratitis occur.

#### Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

#### Acute Toxicity

XYLENE (ISOMER MIXTURE)  
LD50 (Oral): 3523 mg / kg Rat  
LD50 (Skin): 4350 mg / kg Rabbit  
LC50 (Inhalation): 26 mg / l / 4h Rat

2-butoxyethanol  
LD50 (Oral): 615 mg / kg Rat  
LD50 (Skin): 405 mg / kg Rabbit  
LC50 (Inhalation): 2.2 mg / l / 4h Rat

N-BUTYL ACETATE  
LD50 (Oral): > 6400 mg / kg Rat  
LD50 (Skin): > 5000 mg / kg Rabbit  
LC50 (Inhalation): 21.1 mg / l / 4h Rat

(ATE = acute toxicity estimate)

**Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components**

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available.

### 12.2. Persistence and degradability

#### XYLENE (ISOMER MIX)

It can be dissolved in water. mg / l 100 - 1000

Biodegradability: No Data Available.

# SAFETY DATA SHEET

Revision Date: 25.03.2020  
Version : 2.5

according to Regulation (EC) No. 1907/2006

## CADENCE SPRAY VARNISH

### BUTANE

It can be dissolved in water. mg / l 0.1 - 100  
It can decompose rapidly biologically.

### PROPANE

It can be dissolved in water. mg / l 0.1 - 100  
It can decompose rapidly biologically.

### METHANOL

It can be dissolved in water. mg / l 1000 - 10000  
It can decompose rapidly biologically.

### 2-butoxyethanol

It can be dissolved in water. mg / l 1000 - 10000  
It can decompose rapidly biologically.

### METYL ACETATE

It can be dissolved in water. 243500 mg / l  
It can decompose rapidly biologically.

### N-BUTYL ACETATE

It can be dissolved in water. mg / l 1000 - 10000

## 12.3. Bioaccumulative potential

### XYLENE (ISOMER MIX)

Partition coefficient: n-octanol / water. 3.12

BCF. 25.9

### BUTANE

Partition coefficient: n-octanol / water. 1.09

### PROPANE

Partition coefficient: n-octanol / water. 1.09

### METHANOL

Partition coefficient: n-octanol / water. -0.77

BCF. 0.2

### 2-BUTOXYETHANOL

Partition coefficient: n-octanol / water. 0.81

### METYL ACETATE

Partition coefficient: n-octanol / water. 0.18

### N-BUTYL ACETATE

Partition coefficient: n-octanol / water. 2.3

BCF. 15.3

## 12.4. Mobility in soil

### XYLENE (ISOMER MIX)

Partition coefficient: Soil / water. 2.73



# SAFETY DATA SHEET

Revision Date: 25.03.2020  
Version : 2.5

according to Regulation (EC) No. 1907/2006

## CADENCE SPRAY VARNISH

### METYL ACETATE

Partition coefficient: Soil / water. 0.18

### N-BUTYL ACETATE

Partition coefficient: Soil / water. <3

#### 12.5. Results of the PBT and vPvB assessment

This product does not contain more than 0.1% PBT or vPvB substances.

#### 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

If possible, use again. The residues of the product should be considered hazardous special waste. The hazard of wastes containing this product should be evaluated in accordance with the provisions of the current law.

Disposal should be done by handing over to a company authorized to manage waste in accordance with national and possible local laws.

Transportation of waste may be subject to ADR.

#### CONTAMINATED PACKAGES

Contaminated packages should be sent for recycling or disposal in accordance with national laws on waste management.

## SECTION 14: Transportation information

#### 14.1. UN number

ADR / RID, IMDG, IATA: 1950

#### 14.2. UN proper shipping name

ADR-Shipping Name: AEROSOLS, FLAMMABLE  
IMDG-Technical name: AEROSOLS  
IATA-Technical name: AEROSOLS, FLAMMABLE

#### 14.3. Transport hazard class(es)

ADR: Class: 2 Label: 2.1  
IATA: Class: 2.1 Label: 2.1  
IMDG: Class: 2

#### 14.4. Packing group

ADR-Packing Group: -  
IATA-Packing group: -  
IMDG-Packing group: -

#### 14.5. Environmental hazards

Marine pollutant: No

#### 14.6. Special precautions for user

ADR / RID:	HIN: - Special Provisions:-	Limited Quantities: 1 L	Restriction code in tunnels: (D)
IMDG:	EmS: F-D, S-U	Limited Quantities: 1L	
IATA:	Cargo: Pass.: Special Provisions:	Maks.: 150 kg Maks.: 75 Kg A145, A167,A802	Packaging instructions: 203 Packaging instructions: 203

# SAFETY DATA SHEET

Revision Date: 25.03.2020  
Version : 2.5

according to Regulation (EC) No. 1907/2006

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not available.

## SECTION 15: Regulatory information

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)  
Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Dir. 2006/8/EC  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP)  
Regulation (EU) n. 453/2010 (Annex I)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: None

Volatile Organic compounds - VOCs = 700.5 g/l

Volatile CMR substances = 0 %

Organic Carbon - C = 0.01

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

### 15.2. Chemical Safety Assessment

No data available.

## SECTION 16: Other information

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).

WGK:German Water Hazard Class.