

Printing date 04.04.2024 Version number 311 (replaces version 310) Revision: 04.04.2024

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

· 1.1 Product identifier 600248

· Trade name: 1-K Anti-Rust Primer E-COLL

· Article number: 4317784305488

· UFI: 581R-94SG-9C0H-M212

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

· Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

- · Application of the substance / the mixture Anticorrosion additive
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

E/D/E - Einkaufsbuero Deutscher Eisenhaendler GmbH EDE Platz 1 D-42389 Wuppertal Germany

Tel. +49 202 6096-0 e-mail: sdb@ede.de

- · Further information obtainable from: Product safety department
- 1.4 Emergency telephone number: Giftinformationszentrum Mainz Tel.: +49 (6131) 19240

### **SECTION 2: Hazards identification**

- · 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.
Carc. 2 H351 Suspected of causing cancer.

STOT SE 3 H336 May cause drowsiness or dizziness.

### · 2.2 Label elements

## · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

### · Hazard pictograms







GHS02 GHS07

GHS08



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· Signal word Danger

#### · Hazard-determining components of labelling:

4-methylpentan-2-one

acetone butanone ethyl acetate

#### · Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H336 May cause drowsiness or dizziness.

### · Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P201 Obtain special instructions before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing spray.

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

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

### · Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

Buildup of explosive mixtures possible without sufficient ventilation.

### · 2.3 Other hazards

### · Results of PBT and vPvB assessment

PBT: Not applicable.vPvB: Not applicable.

# **SECTION 3: Composition/information on ingredients**

### · 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

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Dangaraus components	(Cont	td. of page 2
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37-xxxx	dimethyl ether  Flam. Gas 1A, H220	30-50%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Chronic 3, H412	2.5-10%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49-xxxx 01-2119498062-37-xxxx	acetone  Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	1-10%
CAS: 108-10-1 EINECS: 203-550-1 Index number: 606-004-00-4 Reg.nr.: 01-211947398030	4-methylpentan-2-one Flam. Liq. 2, H225 Carc. 2, H351 Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H336 EUH066 ATE: LC50/4h inhalative: 11 ppm	1-10%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43-xxxx	butanone  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336  EUH066	1-10%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46-xxxx	ethyl acetate Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	1-10%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484630-38-xxxx	butan-1-ol Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-10%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29-xxxx 01-2119485493-29-0059	n-butyl acetate  Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	1-10%

· Additional information: For the wording of the listed hazard phrases refer to section 16.

# **SECTION 4: First aid measures**

- · 4.1 Description of first aid measures
- · General information:

Personal protection for the First Aider. Immediately remove any clothing soiled by the product.

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#### · After inhalation:

Supply fresh air.

Seek medical treatment in case of complaints.

#### · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

#### · After swallowing:

Rinse out mouth and then drink plenty of water.

Seek immediate medical advice.

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

No further relevant information available.

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

No further relevant information available.

### **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- · Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture Can form explosive gas-air mixtures.
- · 5.3 Advice for firefighters

### · Protective equipment:

Do not inhale explosion gases or combustion gases.

Mouth respiratory protective device.

# · Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## **SECTION 6: Accidental release measures**

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

#### · 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow product to reach sewage system or any water course.

Do not allow to enter sewers/ surface or ground water.

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# $\cdot$ 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Dispose contaminated material as waste according to section 13.

#### · 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### **SECTION 7: Handling and storage**

### · 7.1 Precautions for safe handling

Open and handle receptacle with care. Use only in well ventilated areas.

### · Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Do not spray onto a naked flame or any incandescent material.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

# · 7.2 Conditions for safe storage, including any incompatibilities

### · Storage:

### · Requirements to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

· Information about storage in one common storage facility: Store away from oxidising agents.

### Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

· 7.3 Specific end use(s) No further relevant information available.

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

### · 8.1 Control parameters

### · Ingredients with limit values that require monitoring at the workplace:

CAS: 115-10-6 dimethyl ether

IOELV Long-term value: 1920 mg/m³, 1000 ppm

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(Contd. of page 5) CAS: 1330-20-7 xylene IOELV Short-term value: 442 mg/m<sup>3</sup>, 100 ppm Long-term value: 221 mg/m<sup>3</sup>, 50 ppm Skin CAS: 67-64-1 acetone IOELV Long-term value: 1210 mg/m³, 500 ppm CAS: 108-10-1 4-methylpentan-2-one IOELV Short-term value: 208 mg/m³, 50 ppm Long-term value: 83 mg/m³, 20 ppm CAS: 78-93-3 butanone IOELV Short-term value: 900 mg/m<sup>3</sup>, 300 ppm Long-term value: 600 mg/m³, 200 ppm CAS: 141-78-6 ethyl acetate IOELV Short-term value: 1468 mg/m<sup>3</sup>, 400 ppm Long-term value: 734 mg/m<sup>3</sup>, 200 ppm

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

CAS: 123-86-4 n-butyl acetate

- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment

### General protective and hygienic measures:

IOELV Short-term value: 723 mg/m³, 150 ppm Long-term value: 241 mg/m³, 50 ppm

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Keep away from foodstuffs, beverages and feed.

# · Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Self-contained respiratory protective device.

### · Hand protection



### · Material of gloves

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.4 mm

### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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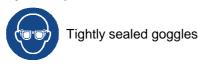


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· Eye/face protection



Body protection: Protective work clothing

## **SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties

· General Information

Colour:
 Odour:
 Odour threshold:
 Melting point/freezing point:

Red-brown
Characteristic
Not determined.
Undetermined.

· Boiling point or initial boiling point and boiling

range Not applicable, as aerosol.

· Flammability Not applicable.

· Lower and upper explosion limit

Lower: 1.1 Vol %
Upper: 18.6 Vol %
Flash point: -41 °C
Auto-ignition temperature: 235 °C

Decomposition temperature: Not determined.pH Not determined.

· Viscosity:

· Kinematic viscosity Not determined.

· Kinematic: 23 °C - 4 mm (ISO 2431)

• **Dynamic:** Not determined.

· Solubility

• water: Not miscible or difficult to mix.

Partition coefficient n-octanol/water (log value)
Vapour pressure at 20 °C:
4,000 hPa

· Density and/or relative density

Density at 20 °C:
 Relative density
 Vapour density
 Not determined.
 Not determined.

· 9.2 Other information

· Appearance:

· Form: Aerosol

Important information on protection of health

and environment, and on safety.

· **Ignition temperature:** Product is not selfigniting.

• Explosive properties: Not determined.

· Solvent separation test:

· VOC (EC) % 78.90 % · VOC (EC) g/I 660.0 g/I · Solids content: 6.1 %

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· Change in condition

· Drip point:

Oxidising propertiesEvaporation rateNot determined.Not applicable.

· Information with regard to physical hazard

classes

Explosives VoidFlammable gases Void

Aerosols
 Extremely flammable aerosol. Pressurised container:

May burst if heated.

· Oxidising gases Void · Gases under pressure Void Void · Flammable liquids · Flammable solids Void · Self-reactive substances and mixtures Void · Pyrophoric liquids Void · Pyrophoric solids Void · Self-heating substances and mixtures Void · Substances and mixtures, which emit flammable gases in contact with water Void · Oxidising liquids Void · Oxidising solids Void · Organic peroxides Void · Corrosive to metals Void Void · Desensitised explosives

### **SECTION 10: Stability and reactivity**

- 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- $\cdot$  10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

### **SECTION 11: Toxicological information**

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

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· LD/LC50	· LD/LC50 values relevant for classification:				
CAS: 115-	-10-6 dim	ethyl ether			
		308 ppm (rat)			
CAS: 67-6	4-1 aceto	one			
Oral	LD50	5,800 mg/kg (rat)			
Dermal	LD50	20,000 mg/kg (rabbit)			
Inhalative	LC50/4h	76 mg/m³ (rat)			
CAS: 108-	-10-1 4-m	ethylpentan-2-one			
Oral	LD50	2,080 mg/kg (rat)			
Dermal	LD50	16,000 mg/kg (rab)			
Inhalative	LC50/4h	11 ppm (ATE)			
		8.3-16.6 ppm (rat)			
CAS: 78-9	3-3 butar	none			
Oral	LD50	3,300 mg/kg (rat)			
Dermal	LD50	5,000 mg/kg (rabbit)			
CAS: 141-	-78-6 ethy	l acetate			
Oral	LD50	5,620 mg/kg (rabbit)			
Inhalative	LC50/4h	1,600 ppm (rat)			
CAS: 71-3	6-3 butar	n-1-ol			
Oral	LD50	790 mg/kg (rat)			
Dermal	LD50	3,400 mg/kg (rabbit)			
Inhalative	LC50/4h	8,000 ppm (rat)			
CAS: 123-	-86-4 n-bเ	utyl acetate			
Oral	LD50	13,100 mg/kg (rat)			
Dermal	LD50	>5,000 mg/kg (rabbit)			
Inhalative	LC50/4h	>21 ppm (rat)			

### · Skin corrosion/irritation

Causes skin irritation.

### · Serious eye damage/irritation

Causes serious eye irritation.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.

### · Carcinogenicity

Suspected of causing cancer.

· Reproductive toxicity Based on available data, the classification criteria are not met.

## · STOT-single exposure

May cause drowsiness or dizziness.

- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

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· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

## **SECTION 12: Ecological information**

· 12.1 Toxicity

· Aquatic toxicity:		
CAS: 67-64-1 acetone		
	LC50 (96h)	5,000 mg/L (Lepomis macrochirus)
	LC50/48h	8,800 mg/l (Daphnia magna)
	NOEC	430 mg/l (algae)
	NOEC/16h	1,700 mg/l (Pseudomonas putida)
	NOEC/48h	4,740 mg/l (Pseudokirchneriella subcapitata)
	96h LC50	5,540 mg/l (Oncorhynchus mykiss)
CAS: 78-93-3 butanone		
Inhalative	LC50	2,993 mg/L (Lepomis macrochirus)
CAS: 123-86-4 n-butyl acetate		
	LC50 (96h)	18 mg/L (Pimephales promelas)
	EC50 (48h)	44 mg/L (Daphnia magna)
	EC50/24h	73 mg/l (Daphnia magna)
	EC50/72h	647.7 mg/l (S)

- · 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system.



# Safety data sheet

# according to Regulation (EC) No 1907/2006, Article 31

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### **SECTION 13: Disposal considerations**

· 13.1 Waste treatment methods:

· European waste catalogue		
15 01 04	metallic packaging	
15 01 10*	packaging containing residues of or contaminated by hazardous substances	

### **SECTION 14: Transport information**

· 14.1 UN number or ID number

· ADR, IMDG, IATA UN1950

· 14.2 UN proper shipping name

· ADR UN1950 AEROSOLS

· IMDG AEROSOLS

· IATA AEROSOLS, flammable

· 14.3 Transport hazard class(es)

· ADR



· Class 2 5F Gases.

· Label 2.1

· IMDG, IATA



· Class 2.1 Gases.

· Label 2.1

· 14.4 Packing group

· ADR, IMDG, IATA Void

· 14.5 Environmental hazards:

· Marine pollutant: No

· 14.6 Special precautions for user

· Hazard identification number (Kemler code):

TAZATU IDENTINCATION NUMBER (Remier Code).

• **EMS Number**: F-D,S-U

· Stowage Code SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS:

Category C, Clear of living quarters.

• Segregation Code SG69 For AEROSOLS with a maximum capacity of 1

Warning: Gases.

litre:

Segregation as for class 9. Stow "separated from" (Contd. on page 12)



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# according to Regulation (EC) No 1907/2006, Article 31

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class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of class

2.

For WASTE AEROSOLS:

Segregation as for the appropriate subdivision of class

2.

14.7 Maritime transport in bulk according to IMO

**instruments** Not applicable.

· Transport/Additional information:

· ADR

Limited quantities (LQ)
 Excepted quantities (EQ)
 Code: E0

Not permitted as Excepted Quantity

Transport categoryTunnel restriction code

· IMDG

Limited quantities (LQ)Excepted quantities (EQ)Code: E0

Not permitted as Excepted Quantity

• UN "Model Regulation": UN 1950 AEROSOLS, 2.1

# SECTION 15: Regulatory information

- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms







GHS02 GHS07 GH

· Signal word Danger

### · Hazard-determining components of labelling:

4-methylpentan-2-one

acetone

butanone

ethyl acetate

### · Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H336 May cause drowsiness or dizziness.

### · Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

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(Contd. of page 12) P102 Keep out of reach of children. P201 Obtain special instructions before use. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Do not spray on an open flame or other ignition source. P211 Do not pierce or burn, even after use. P251 P261 Avoid breathing spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear eye protection / face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P308+P313 IF exposed or concerned: Get medical advice/attention. P405 Store locked up. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 Dispose of contents/container in accordance with local/regional/national/international

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I Methanol
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- REGULATION (EU) 2019/1148
- · Annex II REPORTABLE EXPLOSIVES PRECURSORS

CAS: 67-64-1 acetone

### Exposure scenario(s)

Exposure scenario(s) of ingredients (if present) are available on request at: sdb@ede.de

### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### · Relevant phrases

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

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EUH066 Repeated exposure may cause skin dryness or cracking.

· Department issuing SDS: Product safety department

· Contact: sdb@ede.de

· Date of previous version: 10.02.2021 · Version number of previous version: 310

### · Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the

International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Flam. Gas 1A: Flammable gases - Category 1A

Aerosol 1: Aerosols - Category 1

Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity - Category 4

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

Carc. 2: Carcinogenicity - Category 2

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

· \* Data compared to the previous version altered.