

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

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

1.1 Product identifier

Trade name: **GALVA PROCAT Super Brillant**

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

Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU21 Consumer uses: Private households / general public / consumers

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

Product category PC9a Coatings and paints, thinners, paint removers

Process category

PROC7 Industrial spraying

PROC11 Non industrial spraying

Application of the substance / the mixture **Paint**

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

A.M.P.E.R.E. SYSTEM

3 Rue Antoine Balard - P.A. du Vert Galant

95310 Saint-Ouen l'Aumône - France

Tel: +33 1 34 64 72 72

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E-mail: fds@amperesystem.com

Further information obtainable from: Service QSE/E-mail: fds@amperesystem.com

1.4 Emergency telephone number: Tel: +33 1 45 42 59 59 (N° ORFILA)

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

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



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

R20: Harmful by inhalation.

(Contd. on page 2)

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

Trade name: GALVA PROCAT Super Brillant

(Contd. of page 1)



Xi; Irritant

R38: Irritating to skin.



F+; Extremely flammable

R12: Extremely flammable.



N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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



GHS09

Signal word Danger

Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated light

Hazard statements

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

H315 Causes skin irritation.

H319 Causes serious eye 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

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

P102 Keep out of reach of children.

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

P251 Do not pierce or burn, even after use.

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

P273 Avoid release to the environment.

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

P261 Avoid breathing mist/vapours/spray.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P331 Do NOT induce vomiting.

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

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

P403 Store in a well-ventilated place.

(Contd. on page 3)

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

Trade name: GALVA PROCAT Super Brillant

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

(Contd. of page 2)

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· 3.1 Substances

· Additional information:

CAS: 64742-49-0 EC number: 921-024-6 Reg.nr.: 01-2119475514-35 01-2119475515-33	Naphtha (petroleum), hydrotreated light Xn R65; Xi R38; F R11; N R51/53 R67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	20-<25%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane (containing < 0.1% butadiene (203-450-8)) F+ R12 Flam. Gas 1, H220; Press. Gas, H280	10-<25%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	propane F+ R12 Flam. Gas 1, H220; Press. Gas, H280	10-<25%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene (mix) Xn R20/21; Xi R38 R10 Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	10-<12.5%
CAS: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum), hydrotreated light (Benzene < 0,1%) Xn R65; Xi R38; F R11; N R51/53 R67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	3-<10%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43	butanone / MEK Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	3-<10%
CAS: 108-10-1 EINECS: 203-550-1	4-methylpentan-2-one Xn R20; Xi R36/37; F R11 R66 Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	3-<10%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Benzene<0.1% Xn R65; Xi R37; N R51/53 R10-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304	0.3-<1%

· 3.2 Mixtures

- **Description:** Active substance with propellant
- **Dangerous components:**
- **Additional information:**

GB

(Contd. on page 4)

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

Trade name: GALVA PROCAT Super Brillant

(Contd. of page 3)

4 First aid measures

· **4.1 Description of first aid measures**

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** Do not induce vomiting; call for medical help immediately.

· **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.

5 Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

Water haze

Fire-extinguishing powder

Carbon dioxide

Alcohol resistant foam

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

· **5.3 Advice for firefighters**

· **Protective equipment:** Mount respiratory protective device.

6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**

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

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

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

· **6.3 Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· **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.

7 Handling and storage

· **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

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

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

(Contd. on page 5)

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

Trade name: GALVA PROCAT Super Brillant

(Contd. of page 4)

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurized 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 pressurized containers.

· **Information about storage in one common storage facility:**

Observe official regulations on storing packagings with pressurized containers.

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

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

106-97-8 butane (containing < 0.1% butadiene (203-450-8))

WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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74-98-6 propane

OEL	Short-term value: 3600 mg/m ³ , 2000 ppm Long-term value: 1800 mg/m ³ , 1000 ppm
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1330-20-7 xylene (mix)

WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
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78-93-3 butanone / MEK

WEL	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV
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108-10-1 4-methylpentan-2-one

WEL	Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm Sk, BMGV
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· **DNELs**

64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	699 mg/kg bw/day (Consumer) 773 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	608 mg/m ³ (Consumer) 2035 mg/m ³ (Worker)

78-93-3 butanone / MEK

Oral	DNEL Long term-systemic	31 mg/kg bw/day (Consumer)
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(Contd. on page 6)

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

Trade name: GALVA PROCAT Super Brillant

(Contd. of page 5)

Dermal	DNEL Long term-systemic	412 mg/kg bw/day (Consumer)
		1161 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	106 mg/m ³ (Consumer)
		600 mg/m ³ (Worker)

Ingredients with biological limit values:
1330-20-7 xylene (mix)

BMGV 650 mmol/mol creatinine
 Medium: urine
 Sampling time: post shift
 Parameter: methyl hippuric acid

78-93-3 butanone / MEK

BMGV 70 µmol/L
 Medium: urine
 Sampling time: post shift
 Parameter: butan-2-one

108-10-1 4-methylpentan-2-one

BMGV 20 µmol/L
 Medium: urine
 Sampling time: post shift
 Parameter: 4-methylpentan-2-one

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

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the skin.
 Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 Filter AX/P2

Protection of hands:


Protective gloves

Solvent resistant gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves Nitrile rubber, NBR

Penetration time of glove material

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

Eye protection:


Tightly sealed goggles

· **Body protection:** Use protective suit.

GB

(Contd. on page 7)

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

Trade name: GALVA PROCAT Super Brillant

(Contd. of page 6)

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Aerosol
 Colour: According to product specification

· Odour: Characteristic

· Odour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: -44 °C

· Flash point: -97 °C

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 200 °C

· Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower: 0.8 Vol %

Upper: 11.5 Vol %

· Vapour pressure at 20 °C: 8300 hPa

· Density at 20 °C: 0.751 g/cm³

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not applicable.

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

· Solvent content:

Organic solvents: 84.2 %

Solids content: 15.8 %

· 9.2 Other information: No further relevant information available.

10 Stability and reactivity

· 10.1 Reactivity

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· 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.

(Contd. on page 8)

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

Trade name: GALVA PROCAT Super Brillant

(Contd. of page 7)

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **11.1 Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values relevant for classification:****64742-49-0 Naphtha (petroleum), hydrotreated light**

Oral	LD50	>5840 mg/kg (rat)
Dermal	LD50	>2920 mg/kg (rabbit)
Inhalative	LC50/4h	>25 mg/l (rat)

1330-20-7 xylene (mix)

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rbt)

64742-49-0 Naphtha (petroleum), hydrotreated light (Benzene < 0,1%)

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rabbit)
Inhalative	LC50/4h	>10000 mg/l (rat)

78-93-3 butanone / MEK

Oral	LD50	>2193 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit) 5000 mg/kg (rbt)

108-10-1 4-methylpentan-2-one

Oral	LD50	2100 mg/kg (rat)
Dermal	LD50	16000 mg/kg (rabbit)
Inhalative	LC50/4 h	8.3-16.6 mg/l (rat)

· **Primary irritant effect:**· **on the skin:** Irritant to skin and mucous membranes.· **on the eye:** No irritating effect.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful
Irritant

12 Ecological information

· **12.1 Toxicity**· **Aquatic toxicity:****64742-49-0 Naphtha (petroleum), hydrotreated light**

EL50 (72h)	30-100 mg/l (Pseudokirchneriella subcapitata)
EL50(48h)	3 mg/l (Daphnia magna)
LL50 (96h)	11.4 mg/l (Oncorhynchus mykiss (96h))
LOEC (21 days)	0.32 mg/l (Daphnia magna)
NOEC (21 days)	0.17 mg/l (Daphnia magna)
NOELR (72h)	3 mg/l (Pseudokirchneriella subcapitata)

(Contd. on page 9)

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

Trade name: GALVA PROCAT Super Brillant

(Contd. of page 8)

1330-20-7 xylene (mix)

EC50/48h	3.2-9.5 mg/l (Daphnia magna)
LC50/96h	8.9-16.4 mg/l (Pimephales promelas)

64742-49-0 Naphtha (petroleum), hydrotreated light (Benzene < 0,1%)

LC50	>2 mg/l (Fish)
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78-93-3 butanone / MEK


EC50/48h	308 mg/l (Daphnia magna)
LC50/96h	2993 mg/l (Pimephales promelas)

- **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.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **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.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**
- **ADR** 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
- **IMDG** AEROSOLS (Naphtha (petroleum), hydrotreated light, Naphtha (petroleum), hydrotreated light (Benzene < 0,1%)), MARINE POLLUTANT
- **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**
- **ADR**
- 
- **Class** 2 5F Gases.

(Contd. on page 10)

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

Trade name: GALVA PROCAT Super Brillant

(Contd. of page 9)

· Label	2.1
· IMDG	
· Class	2.1
· Label	2.1
· IATA	
· Class	2.1
· Label	2.1
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: Naphtha (petroleum), hydrotreated light
· Marine pollutant:	Yes
· Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Gases.
· Danger code (Kemler):	-
· EMS Number:	F-D,S-U
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Transport category	2
· Tunnel restriction code	D
· UN "Model Regulation":	UN1950, AEROSOLS, ENVIRONMENTALLY HAZARDOUS, 2.1

15 Regulatory information

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

· National regulations:

· Technical instructions (air):

Class	Share in %
NK	75-<100

· VOC-CH 84.24 %

· VOC-EU 632.6 g/l

· Danish MAL Code 5-3

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

GB

(Contd. on page 11)

Safety data sheet

According to 1907/2006 EEC Article 31

Printing date: 19.03.2014

Version: 1

Revision: 19.03.2014

Trade name: GALVA PROCAT Super Brillant

(Contd. of page 10)

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.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- R10 Flammable.
- R11 Highly flammable.
- R12 Extremely flammable.
- R20 Harmful by inhalation.
- R20/21 Harmful by inhalation and in contact with skin.
- R36 Irritating to eyes.
- R36/37 Irritating to eyes and respiratory system.
- R37 Irritating to respiratory system.
- R38 Irritating to skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:** QSE Department

· **Contact:** fds@amperesystem.com

· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport 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 Harmonized 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)
- MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
- DNEL: Derived No-Effect Level (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent