

**SECTION 1: IDENTIFICATION**

- **Product identifier**
- **Trade name:** Stanley Marker
- **Product No.:**

Stanley Marker #	Ink #	
STHT0-47366	46-33	
STHT81389-0		
47-316		
47-324B		
47-316B		
47-346B		
0-47-316		
1-47-324		
0-47-312		7-61
0-47-314		
47-314		
47-344B		
9-47-314		
0-47-315	7-61/7-71	
0-47-322	46-33 / 7-61 / 7-71	
1-47-329		
2-47-329		
STHT81390-0	7-71	
STHT81391-0	46-33 / 7-61	

- **Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses: Marking  
Uses advised against: No Specific uses advised against are identified.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Stanley Black & Decker  
1000 Stanley Drive  
New Britain, CT 06053 United States  
Tel.: 001 860-827-5237
- **Information department:**  
Ms. Cindy Song  
EMail: cindy.song@dokumental.cn
- **Emergency telephone number:**  
Tel.: 800-424-9300 (CHEMTREC) U.S., Canada, Puerto Rico. U.S. Virgin Islands  
Tel.: 01-703-527-3887 (outside areas above, call collect)

**SECTION 2: HAZARDS IDENTIFICATION**

- Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 2                      H225    Highly flammable liquid and vapor.

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GHS05 Corrosion

Eye Dam. 1                      H318    Causes serious eye damage.

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GHS07

Skin Irrit. 2                      H315    Causes skin irritation.  
STOT SE 3                      H336    May cause drowsiness or dizziness.

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Aquatic Acute 3                      H402    Harmful to aquatic life.  
Aquatic Chronic 3                      H412    Harmful to aquatic life with long lasting effects.

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- Label elements

- GHS label elements

The product is classified and labelled according to Globally Harmonized System (GHS).

- Hazard pictograms



GHS02



GHS05



GHS07

- Signal word

Danger

- Hazard-determining components of labelling:

Propan-1-ol  
1-methoxy-2-propanol  
Dodecylbenzenesulfonic acid solution  
C.I. Solvent Red 49

- Hazard statements

Highly flammable liquid and vapor.  
Causes serious eye damage.  
May cause drowsiness or dizziness.  
Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

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- **Precautionary Statements**

- Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- If inhaled: Remove person to fresh air and keep comfortable for breathing.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.
- Immediately call a poison center/doctor.
- In case of fire: Use for extinction: CO2, powder or water spray.
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Store locked up.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**

- **NFPA ratings (scale 0-4)**



Health = 3  
 Fire = 3  
 Reactivity = 0

- **HMIS ratings (scale 0-4)**



Health = \*3  
 Fire = 3  
 Reactivity = 0

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

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- **Chemical characterization: Mixtures**  
Mixture of the following substances, containing non-hazardous substances and coloring agents.
- **Description:** Mixture of the substances listed below with non-hazardous additions.

Dangerous components: 46-33 Blue		
64-17-5	Ethanol	25-50%
71-23-8	Propan-1-ol	25-50%
561-41-1	C.I. Solvent Violet 8	2.5-10%

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2390-60-5	C.I. Basic Blue 7	≤2.5%
12237-24-0	Solvent Blue 70	≤2.5%
509-34-2	C.I. Solvent Red 49	≤2.5%

<b>Dangerous components: 46-33 Red</b>		
64-17-5	Ethanol	25-50%
71-23-8	Propan-1-ol	25-50%
509-34-2	C.I. Solvent Red 49	≤2.5%
495-54-5	C.I. Solvent Orange 3	≤1%

<b>Dangerous components: 46-33 Black</b>		
64-17-5	Ethanol	25-50%
71-23-8	Propan-1-ol	25-50%
11099-03-9	C.I. Solvent Black 5	≤2.5%
27176-87-0	Dodecylbenzenesulfonic acid solution	≤2.5%

<b>Dangerous components: 7-61 Red</b>		
107-98-2	1-methoxy-2-propanol	50-100%
2807-30-9	2-(propyloxy) ethanol	2.5-10%
71-23-8	Propan-1-ol	2.5-10%
12271-00-0	C.I. Solvent Red 125	2.5-10%
52256-37-8	Solvent Orange 62	≤2.5%

<b>Dangerous components: 7-61 Black</b>		
107-98-2	1-methoxy-2-propanol	50-100%
71-23-8	Propan-1-ol	10-25%
2807-30-9	2-(propyloxy) ethanol	2.5-10%
27176-87-0	Dodecylbenzenesulfonic acid solution	2.5-10%

- **Additional information:** For the wording of the listed hazard phrases refer to Section 16.

#### SECTION 4: FIRST-AID MEASURES

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints. 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. Then consult a doctor.
- **After swallowing:** If symptoms persist, consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**SECTION 5: FIREFIGHTING MEASURES**

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected person away.  
Wear protective clothing.  
Ensure adequate ventilation.  
Avoid contact with skin.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Avoid contact with eyes.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**

<b>PAC-1: 46-33</b>		
71-23-8	Propan-1-ol	250 ppm
64-17-5	Ethanol	1800 ppm
27176-87-0	Dodecylbenzenesulfonic acid solution	2 mg/m <sup>3</sup>
<b>PAC-1: 7-61</b>		
107-98-2	1-methoxy-2-propanol	100 ppm
2807-30-9	2-(propyloxy) ethanol	2.2 ppm
71-23-8	Propan-1-ol	250 ppm
27176-87-0	Dodecylbenzenesulfonic acid solution	2 mg/m <sup>3</sup>

<b>PAC-2: 46-33</b>		
71-23-8	Propan-1-ol	670 ppm
64-17-5	Ethanol	3300* ppm
27176-87-0	Dodecylbenzenesulfonic acid solution	21 mg/m <sup>3</sup>
<b>PAC-2: 7-61</b>		
107-98-2	1-methoxy-2-propanol	160 ppm
2807-30-9	2-(propyloxy) ethanol	24 ppm
71-23-8	Propan-1-ol	670 ppm

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27176-87-0	Dodecylbenzenesulfonic acid solution	21 mg/m <sup>3</sup>
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<b>PAC-3: 46-33</b>		
71-23-8	Propan-1-ol	4000* ppm
64-17-5	Ethanol	15000* ppm
27176-87-0	Dodecylbenzenesulfonic acid solution	130 mg/m <sup>3</sup>
<b>PAC-3: 7-61</b>		
107-98-2	1-methoxy-2-propanol	660 ppm
2807-30-9	2-(propyloxy) ethanol	140 ppm
71-23-8	Propan-1-ol	4000* ppm
27176-87-0	Dodecylbenzenesulfonic acid solution	130 mg/m <sup>3</sup>

## SECTION 7: HANDLING AND STORAGE

- **Handling:**
- **Precautions for safe handling:**  
Ensure good ventilation/exhaustion at the workplace  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Keep ignition sources away – Do not smoke.  
Protect against electrostatic discharges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in once common storage facility:** Not required.
- **Further information on storage conditions:**  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well-sealed receptacles.
- **Storage class:** 3
- **Specific end use(s):** No further relevant information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Additional information about design of technical systems :** No further data.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace :**  
The following constituents are the only constituents of the product which have a PEL, TLV, or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

<b>71-23-8 propan-1-ol (25-50%): 46-33</b>	
PEL	Long-term value: 500 mg/m <sup>3</sup> , 200 ppm
REL	Short-term value: 625 mg/m <sup>3</sup> , 250 ppm
	Long-term value: 500 mg/m <sup>3</sup> , 200 ppm
	Skin
TLV	Long-term value: 246 mg/m <sup>3</sup> , 100 ppm
<b>64-17-5 ethanol (25-50%): 46-33</b>	
PEL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm

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TLV	Short-term value: 1880 mg/m <sup>3</sup> , 1000 ppm
<b>107-98-2 1-methoxy-2-propanol (50-100%): 7-61</b>	
REL	Short-term value: 540 mg/m <sup>3</sup> , 150 ppm Long-term value: 360 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 369 mg/m <sup>3</sup> , 100 ppm Long-term value: 184 mg/m <sup>3</sup> , 50 ppm
IOELV	Short-term value: 568 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm Skin
<b>71-23-8 propan-1-ol (10-25%): 7-61</b>	
PEL	Long-term value: 500 mg/m <sup>3</sup> , 200 ppm
REL	Short-term value: 625 mg/m <sup>3</sup> , 250 ppm Long-term value: 500 mg/m <sup>3</sup> , 200 ppm Skin
TLV	Long-term value: 246 mg/m <sup>3</sup> , 100 ppm

- **Additional information:** The list that were valid during the creation were used as a basis.
- **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.  
Avoid contact with the skin.  
Avoid contact with the eyes.
- **Breathing equipment:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/substance the preparation. Due to missing tests no recommendation to the glove material can be given for product /the preparation/chemical mixture.

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

If only a short-term loading of the glove material by splashes is expected, tricoated gloves with higher wear ability for the better acceptance of the users are recommended.

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.  
Nitrile rubber, NBR
- **Penetration time of glove material**

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

- **Eye Protection**



Tightly sealed goggles

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Information on basic physical and chemical properties**
- **General information**

Appearance:	
Form:	Fluid
Color:	According to product specification
Odor:	Product specific
Odor threshold:	Not determined
pH-value (50g/l) at 25° C:	Not determined
Change in condition	
Melting point/Melting range:	Not determined
Freezing point:	Not determined
Boiling point/Boiling range:	46-33: 78°C (172.4°F) / 7-61: 96.5-97.5°C (205.7-207.5°F)
Flash point:	46-33: 13°C (55.4°F) / 7-61: 31°C (87.8°F)
Flammability (solid, gaseous):	Not applicable
Ignition Temperature	46-33: 360°C (680°F) / 7-61: 230 °C (446 °F)
Decomposition Temperature	Not determined
Explosion Limits:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Lower:	46-33: 2.1 Vol % / 7-61: 1.7 Vol %
Upper:	46-33: 15 Vol % / 7-61: 11.5 Vol %
Vapor pressure:	46-33: 59 hPa (44.3 mmHg) / 7-61: 13.3 hPa (10 mmHg)
Density:	0.9 g/cm <sup>3</sup> (7.5 lbs/gal)
Relative density:	Not determined
Vapor density:	Not determined
Evaporation rate:	Not determined
Solubility in/Miscibility with Water:	Fully miscible
Partition coefficient ( <i>n</i> -octanol/water):	Not determined
Viscosity:	
Dynamic	46-33: 5 mPas / 7-61: 5.1 mPas
Kinematic:	Not determined
Solvent content:	
Organic solvents:	46-33: 78.7 % / 7-61: 82.4 %
Solid content:	46-33: 22.0 % / 7-61: 2.9 %

- **Other information**

The physical and chemical properties given in Section 9 are rough data only, which are partially derived from the component's data of the mixture. These data are not binding product specifications.



**SECTION 10: STABILITY AND REACTIVITY**

- **Reactivity:** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION**

- **Information on toxicological effects**
- **Acute toxicity:**

**LD/LC50 values that are relevant for classification:****71-23-8 propan-1-ol**

Oral	LD50	8,000 mg/kg (rat)
Dermal	LD50	4,000 mg/kg (rab)
Inhalative	LC50/4 h	33.8 mg/l (rat)

- **Primary irritant effect:**
- **On the skin:** Causes skin irritation.
- **On the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations: Irritant
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**  
None of the ingredients are listed.
- **NTP (National Toxicology Program)**  
None of the ingredients are listed.
- **OSHA-Ca (Occupational Safety and Health Administration)**  
None of the ingredients are listed.
- **STOT-single exposure**  
May cause drowsiness or dizziness.

**SECTION 12: ECOLOGICAL INFORMATION**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**

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- **General notes:**

Water hazard Class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects:** No further relevant information available.

### SECTION 13: DISPOSAL CONSIDERATIONS

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned Packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### SECTION 14: TRANSPORT INFORMATION

- **UN-Number**

- **ADR, IMDG, IATA:** UN1263

- **UN proper shipping name**

- **ADR:** 1263 Paint

- **IMDG, IATA:** Paint

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- **Transport hazard class(es)**

- **ADR**



- **Class:** 3 (F+) Flammable liquids.

- **Label:** 3

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- **IMDG, IATA**



- **Class:** 3 Flammable liquids.

- **Label:** 3

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- **Packing group**

- **DOT, ADR, IMDG, IATA:** III

- **Environmental hazards**

- **Marine pollutant:** No

- **Special precautions for user:** Warning: Flammable liquids.

- **Danger code (Kemler):** 30

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- **EMS Number:** F-E, S-E
- **Stowage category:** A
- **Transport in bulk according to Annex II of Marpol and the IBC Code:** Not applicable.
- **Transport/Additional information**
- **DOT**
- **Quantity limitations:** On passenger aircraft/rail: 60L  
On cargo aircraft only: 220L
- **ADR**
- **Limited quantities (LQ):** 5L
- **Excepted quantities (EQ):** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml
- **Transport category:** 2
- **Tunnel restriction code:** D/E
- **IMDG**
- **Limited quantities (LQ):** 5L
- **Excepted quantities (EQ):** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":** UN 1263 PAINT, 3, III

**SECTION 15: REGULATORY INFORMATION**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Section 355 (extremely hazardous substances):**  
None of the ingredients are listed.
- **Section 313 (specific toxic chemical listings):**  
None of the ingredients are listed.
- **TSCA (Toxic Substances Control Act):**  
All ingredients are listed.
- **TSCA new (21<sup>st</sup> Century Act)**  
Substance not listed.
- **Proposition 65**
- **Chemicals known to cause cancer:**  
None of the ingredients are listed.
- **Chemical known to cause reproductive toxicity:**  
None of the ingredients are listed.
- **DSL/NDSL (Canada):**  
All ingredients are listed.
- **Carcinogenicity categories**
- **EPA (Environmental Protection Agency):**  
None of the ingredients are listed.
- **TLV (Threshold Limit Value established by ACGIH):**  
71-23-8 propan-1-ol  
64-17-5 ethanol

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- **MAK (German Maximum Workplace Concentration):**  
64-17-5 ethanol
- **NIOSH-Ca (National Institute for Occupational Safety and Health):**  
None of the ingredients are listed.
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02



GHS05



GHS07

- **Signal word: Danger**
- **Hazard-determining components of labeling:**  
Propan-1-ol  
1-methoxy-2-propanol  
Dodecylbenzenesulfonic acid solution  
C.I. Solvent Red 49
- **Hazard statements:**  
Highly flammable liquid and vapor.  
Causes skin irritation.  
Causes serious eye damage.  
May cause drowsiness or dizziness.
- **Precautionary statements:**  
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue Rinsing.  
Immediately call a poison center/doctor.  
In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- **Named dangerous substances – ANNEX I:** None of the ingredients are listed.

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- **Seveso category:** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements:** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements:** 50,000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII:** Conditions of restriction: 3
- **National Regulations:**
- **Technical instructions (air):**

Class	Share in %
NK	50-100

- **Water hazard class: Water hazard Class 1 (Self-assessment):** slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

#### 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.

- **Date of preparation / last revision:**  
2019-03-21
- **Abbreviations and acronyms:**  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 CAS: Chemical Abstract Service  
 LC50: Lethal Concentration 50 percent  
 LD50: Lethal Dose 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 NIOSH: National Institute for Occupational Safety  
 OSHA: Occupational Safety and Health  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3