# Safety Data Sheet
## acc. to OSHA HCS

Printing date 05/06/2019 Reviewed on 05/06/2019

## 1 Identification

· **Product identifier**

· **Trade name: B980 METALLIC BASE MEDIUM**

· **Article number:** B980

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
General Paint Co. SAL
P.O. Box 7623
Beirut
LEBANON
info@hymax.biz

· **Information department:** Product Safety Department
· **Emergency telephone number:** During normal opening times:1-800-535-5053

## 2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS02 Flame

| | | |
|---|---|---|
| Flam. Liq. 3 | H226 | Flammable liquid and vapor. |

GHS08 Health hazard

| | | |
|---|---|---|
| Carc. 2 | H351 | Suspected of causing cancer. |
| STOT RE 1 | H372-H373 | Causes damage to the central nervous system through prolonged or repeated exposure. May cause damage to the hearing organs through prolonged or repeated exposure. |

GHS07

| | | |
|---|---|---|
| STOT SE 3 | H336 | May cause drowsiness or dizziness. |

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
n-butyl acetate
ethylbenzene
Naphtha (petroleum), hydrodesulfurized heavy

· **Hazard statements**
Flammable liquid and vapor.
Suspected of causing cancer.
May cause drowsiness or dizziness.
Causes damage to the central nervous system through prolonged or repeated exposure. May cause damage to the hearing organs through prolonged or repeated exposure.

· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
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 exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Get medical advice/attention if you feel unwell.
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.

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· **Classification system:**
· **NFPA ratings (scale 0 - 4)**


Health = 0
Fire = 3
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**


Health = 0
Fire = 3
Reactivity = 0

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

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

| · **Dangerous components:** | | |
|---|---|---|
| 123-86-4 | n-butyl acetate | >50-≤100% |
| 1330-20-7 | xylene | >2.5-≤10% |
| 7429-90-5 | aluminium powder (pyrophoric) | >2.5-≤10% |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | >2.5-≤10% |
| 100-41-4 | ethylbenzene | >2.5-≤10% |
| 64742-82-1 | Naphtha (petroleum), hydrodesulfurized heavy | ≤2.5% |

## 4 First-aid measures

· **Description of first aid measures**
· **General information:**
Immediately remove any clothing soiled by the product.
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; consult doctor in case of complaints.
· **After skin contact:** Immediately rinse with water.
· **After eye contact:** Rinse opened eye for several minutes under running water.
· **After swallowing:** If symptoms persist consult doctor.

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· **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.

## 5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
· **Advice for firefighters**
· **Protective equipment:** Mouth respiratory protective device.

## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:** 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).
Dispose contaminated material as waste according to item 13.
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**

| · **PAC-1:** | | |
|---|---|---|
| 123-86-4 | n-butyl acetate | 5 ppm |
| 1330-20-7 | xylene | 130 ppm |
| 100-41-4 | ethylbenzene | 33 ppm |
| 71-36-3 | butan-1-ol | 60 ppm |
| 108-67-8 | mesitylene | 140 ppm |
| 95-63-6 | 1,2,4-trimethylbenzene | 140 ppm |
| 107-98-2 | 1-methoxy-2-propanol | 100 ppm |

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| | | |
|---|---|---|
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 50 ppm |
| 7664-38-2 | phosphoric acid | 3 mg/m³ |
| 70657-70-4 | 2-methoxypropyl acetate | 50 ppm |

· **PAC-2:**

| | | |
|---|---|---|
| 123-86-4 | n-butyl acetate | 200 ppm |
| 1330-20-7 | xylene | 920* ppm |
| 100-41-4 | ethylbenzene | 1100* ppm |
| 71-36-3 | butan-1-ol | 800 ppm |
| 108-67-8 | mesitylene | 360 ppm |
| 95-63-6 | 1,2,4-trimethylbenzene | 360 ppm |
| 107-98-2 | 1-methoxy-2-propanol | 160 ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 1,000 ppm |
| 7664-38-2 | phosphoric acid | 30 mg/m³ |
| 70657-70-4 | 2-methoxypropyl acetate | 1,000 ppm |

· **PAC-3:**

| | | |
|---|---|---|
| 123-86-4 | n-butyl acetate | 3000* ppm |
| 1330-20-7 | xylene | 2500* ppm |
| 100-41-4 | ethylbenzene | 1800* ppm |
| 71-36-3 | butan-1-ol | 8000** ppm |
| 108-67-8 | mesitylene | 480 ppm |
| 95-63-6 | 1,2,4-trimethylbenzene | 480 ppm |
| 107-98-2 | 1-methoxy-2-propanol | 660 ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 5000* ppm |
| 7664-38-2 | phosphoric acid | 150 mg/m³ |
| 70657-70-4 | 2-methoxypropyl acetate | 5,000 ppm |

## 7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

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· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep receptacle tightly sealed.
· **Storage class:** 3
· **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

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

· **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.

| | |
|---|---|
| **123-86-4 n-butyl acetate** | |
| PEL | Long-term value: 710 mg/m³, 150 ppm |
| REL | Short-term value: 950 mg/m³, 200 ppm<br>Long-term value: 710 mg/m³, 150 ppm |
| TLV | Short-term value: 712 mg/m³, 150 ppm<br>Long-term value: 238 mg/m³, 50 ppm |
| **1330-20-7 xylene** | |
| PEL | Long-term value: 435 mg/m³, 100 ppm |
| REL | Short-term value: 655 mg/m³, 150 ppm<br>Long-term value: 435 mg/m³, 100 ppm |
| TLV | Short-term value: 651 mg/m³, 150 ppm<br>Long-term value: 434 mg/m³, 100 ppm<br>BEI |
| **100-41-4 ethylbenzene** | |
| PEL | Long-term value: 435 mg/m³, 100 ppm |
| REL | Short-term value: 545 mg/m³, 125 ppm<br>Long-term value: 435 mg/m³, 100 ppm |
| TLV | Long-term value: 87 mg/m³, 20 ppm<br>BEI |

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· **Ingredients with biological limit values:**

| | |
|---|---|
| **1330-20-7 xylene** | |
| BEI | 1.5 g/g creatinine<br>Medium: urine<br>Time: end of shift<br>Parameter: Methylhippuric acids |
| **100-41-4 ethylbenzene** | |
| BEI | 0.7 g/g creatinine<br>Medium: urine<br>Time: end of shift at end of workweek<br>Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)<br><br>-<br>Medium: end-exhaled air<br>Time: not critical<br>Parameter: Ethyl benzene (semi-quantitative) |

· **Additional information:** The lists that were valid during the creation were used as 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.
Store protective clothing separately.
· **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/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **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 can not be calculated in advance and has therefore to be checked prior to the application.

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· **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.
· **Eye protection:**

Tightly sealed goggles

## 9 Physical and chemical properties

| | |
|---|---|
| · **Information on basic physical and chemical properties** | |
| · **General Information** | |
| · **Appearance:** | |
| **Form:** | Liquid |
| **Color:** | Silver grey |
| · **Odor:** | Characteristic |
| · **Odor threshold:** | Not determined. |
| · **pH-value:** | Not determined. |
| · **Change in condition** | |
| **Melting point/Melting range:** | Undetermined. |
| **Boiling point/Boiling range:** | 124 °C (255.2 °F) |
| · **Flash point:** | 24 °C (75.2 °F) |
| · **Flammability (solid, gaseous):** | Not applicable. |
| · **Ignition temperature:** | 370 °C (698 °F) |
| · **Decomposition temperature:** | Not determined. |
| · **Auto igniting:** | Product is not selfigniting. |
| · **Danger of explosion:** | Product is not explosive. However, formation of explosive air/ vapor mixtures are possible. |
| · **Explosion limits:** | |
| **Lower:** | 1.2 Vol % |
| **Upper:** | 7.5 Vol % |
| · **Vapor pressure at 20 °C (68 °F):** | 10.7 hPa (8 mm Hg) |
| · **Density at 20 °C (68 °F):** | 0.976 g/cm³ (8.14472 lbs/gal) |
| · **Relative density** | Not determined. |
| · **Vapor density** | Not determined. |

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| | |
|---|---|
| · **Evaporation rate** | Not determined. |
| · **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:** | 72.7 % |
| **Coating VOC content:** | 72.74 %<br>709.9 g/l / 5.92 lb/gal |
| **Material VOC content:** | 709.9 g/l / 5.92 lb/gal |
| **Solids content:** | 27.2 % |
| · **Other information** | No further relevant information available. |

## 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.

## 11 Toxicological information

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

| · **LD/LC50 values that are relevant for classification:** | | |
|---|---|---|
| **1330-20-7 xylene** | | |
| Oral | LD50 | 4,300 mg/kg (rat) |
| Dermal | LD50 | 2,000 mg/kg (rabbit) |
| **64742-95-6 Solvent naphtha (petroleum), light arom.** | | |
| Oral | LD50 | >6,800 mg/kg (rat) |
| Dermal | LD50 | >3,400 mg/kg (rab) |

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| | | |
|---|---|---|
| Inhalative | LC50/4 h | >10.2 mg/l (rat) |

· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** No irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

· **Carcinogenic categories**

| · **IARC (International Agency for Research on Cancer)** | | |
|---|---|---|
| 1330-20-7 | xylene | 3 |
| 100-41-4 | ethylbenzene | 2B |

| · **NTP (National Toxicology Program)** |
|---|
| None of the ingredients is listed. |

| · **OSHA-Ca (Occupational Safety & Health Administration)** |
|---|
| None of the ingredients is listed. |

## 12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.



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## 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 packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

| | |
|---|---|
| · **UN-Number** | |
| · **DOT, ADR, IMDG, IATA** | UN1263 |
| · **UN proper shipping name** | |
| · **DOT** | Paint |
| · **ADR** | 1263 PAINT |
| · **IMDG, IATA** | PAINT |
| · **Transport hazard class(es)** | |
| · **DOT** | |

| | |
|---|---|
| · **Class** | 3 Flammable liquids |
| · **Label** | 3 |
| · **ADR, IMDG, IATA** | |

| | |
|---|---|
| · **Class** | 3 Flammable liquids |
| · **Label** | 3 |
| · **Packing group** | |
| · **DOT, ADR, IMDG, IATA** | III |
| · **Environmental hazards:** | |
| · **Marine pollutant:** | No |
| · **Special precautions for user** | Warning: Flammable liquids |

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| | |
|---|---|
| · **EMS Number:** | F-E,S-E |
| · **Stowage Category** | A |
| · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** | Not applicable. |
| · **Transport/Additional information:** | |
| · **DOT** | |
| · **Quantity limitations** | On passenger aircraft/rail: 60 L<br>On cargo aircraft only: 220 L |
| · **ADR** | |
| · **Excepted quantities (EQ)** | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · **IMDG** | |
| · **Limited quantities (LQ)** | 5L |
| · **Excepted quantities (EQ)** | Code: E1<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 1000 ml |
| · **UN "Model Regulation":** | UN 1263 PAINT, 3, III |

## 15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

| | |
|---|---|
| 1330-20-7 | xylene |
| 7429-90-5 | aluminium powder (pyrophoric) |
| 100-41-4 | ethylbenzene |
| 71-36-3 | butan-1-ol |
| 95-63-6 | 1,2,4-trimethylbenzene |
| 7664-38-2 | phosphoric acid |

· **TSCA (Toxic Substances Control Act):**

| | | |
|---|---|---|
| 123-86-4 | n-butyl acetate | ACTIVE |
| 1330-20-7 | xylene | ACTIVE |
| 7429-90-5 | aluminium powder (pyrophoric) | ACTIVE |

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| | | |
|---|---|---|
| 100-41-4 | ethylbenzene | ACTIVE |
| 71-36-3 | butan-1-ol | ACTIVE |
| 108-67-8 | mesitylene | ACTIVE |
| 95-63-6 | 1,2,4-trimethylbenzene | ACTIVE |
| 107-98-2 | 1-methoxy-2-propanol | ACTIVE |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | ACTIVE |
| 7664-38-2 | phosphoric acid | ACTIVE |

· **Hazardous Air Pollutants**

| | |
|---|---|
| 1330-20-7 | xylene |
| 100-41-4 | ethylbenzene |

· **Proposition 65**

· **Chemicals known to cause cancer:**

| | |
|---|---|
| 100-41-4 | ethylbenzene |

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

| | | |
|---|---|---|
| 1330-20-7 | xylene | I |
| 100-41-4 | ethylbenzene | D |
| 71-36-3 | butan-1-ol | D |
| 108-67-8 | mesitylene | II |
| 95-63-6 | 1,2,4-trimethylbenzene | II |

· **TLV (Threshold Limit Value established by ACGIH)**

| | | |
|---|---|---|
| 1330-20-7 | xylene | A4 |
| 7429-90-5 | aluminium powder (pyrophoric) | A4 |
| 100-41-4 | ethylbenzene | A3 |

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements**

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

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· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
n-butyl acetate
ethylbenzene
Naphtha (petroleum), hydrodesulfurized heavy

· **Hazard statements**
Flammable liquid and vapor.
Suspected of causing cancer.
May cause drowsiness or dizziness.
Causes damage to the central nervous system through prolonged or repeated exposure. May cause damage to the hearing organs through prolonged or repeated exposure.

· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
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 exposed or concerned: Get medical advice/attention.
Call a poison center/doctor if you feel unwell.
Get medical advice/attention if you feel unwell.
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.

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



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## 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.

· **Department issuing SDS:** Product safety department
· **Contact:** N/A
· **Date of preparation / last revision** 05/06/2019 / -
· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
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
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
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
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
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 3: Flammable liquids – Category 3
Carc. 2: Carcinogenicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1