



Printing date 05/07/2020 Reviewed on 05/07/2020

1 Identification

- · Product identifier
- · Trade name: P036 VOC RAPID PRIMER GREY
- · Article number: PO36
- · Application of the substance / the mixture refer to the relevant Technical Data Sheet
- · 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: 1-800-535-5053 contract number (89244)

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 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

- · 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

· Signal word Warning

· Hazard-determining components of labeling:

titanium dioxide

xylene

ethylbenzene

4-chloro-alpha, alpha, alpha-trifluorotoluene

· Hazard statements

Flammable liquid and vapor.

Harmful if inhaled.

Causes skin irritation.

Causes serious eve irritation.

Suspected of causing cancer.

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.

Keep container tightly closed.

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.

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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

If eve irritation persists: Get medical advice/attention.

In case of fire: Use for extinction: CO2, powder or water spray.

Store in a well-ventilated place. Keep cool.

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Store locked up.

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

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



Health = 2 Fire = 3 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2 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.

| _ | components: | |
|------------|---------------------------------------------|--------------------|
| 13463-67-7 | titanium dioxide | >50-≤100% |
| 98-56-6 | 4-chloro-alpha,alpha,alpha-trifluorotoluene | >10- <i>≤</i> 25% |
| 1330-20-7 | | >2.5-≤10% |
| | methyl acetate | >2.5- <i>≤</i> 10% |
| 100-41-4 | ethylbenzene | <i>≤</i> 2.5% |
| 123-86-4 | n-butyl acetate | <i>≤</i> 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. 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.

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

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- \cdot 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

| · I TOLECTIVE A | Chon Ontena for Onemicals | | |
|-----------------|---------------------------|------|---------------|
| · PAC-1: | | | |
| 13463-67-7 | titanium dioxide | | 30 mg/m³ |
| 1330-20-7 | xylene | | 130 ppm |
| 79-20-9 | methyl acetate | | 250 ppm |
| 100-41-4 | ethylbenzene | | 33 ppm |
| 123-86-4 | n-butyl acetate | | 5 ррт |
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| _ | | (Contd. of page |
|-------------|---------------------------------|-----------------|
| | Propylene glycol | 30 mg/m |
| | silicon dioxide | 18 mg/m |
| | acetic acid | 5 ppm |
| | ethyl 3-ethoxypropionate | 1.6 ppm |
| | dibutyltin dilaurate | 1.1 mg/m |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 50 ppm |
| | hydrogen chloride | 1.8 ppm |
| 78-83-1 | butanol | 150 ppm |
| PAC-2: | | |
| 13463-67-7 | titanium dioxide | 330 mg/m³ |
| 1330-20-7 | xylene | 920* ppm |
| 79-20-9 | methyl acetate | 1,700 ppm |
| 100-41-4 | ethylbenzene | 1100* ppm |
| 123-86-4 | n-butyl acetate | 200 ppm |
| 57-55-6 | Propylene glycol | 1,300 mg/m |
| 112945-52-5 | silicon dioxide | 100 mg/m³ |
| 64-19-7 | acetic acid | 35 ppm |
| 763-69-9 | ethyl 3-ethoxypropionate | 18 ppm |
| 77-58-7 | dibutyltin dilaurate | 8 mg/m³ |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 1,000 ppm |
| 7647-01-0 | hydrogen chloride | 22 ppm |
| 78-83-1 | butanol | 1,300 ppm |
| PAC-3: | | |
| 13463-67-7 | titanium dioxide | 2,000 mg/m |
| 1330-20-7 | xylene | 2500* ppm |
| 79-20-9 | methyl acetate | 10000* ppn |
| 100-41-4 | ethylbenzene | 1800* ppm |
| 123-86-4 | n-butyl acetate | 3000* ppm |
| 57-55-6 | Propylene glycol | 7,900 mg/m |
| 112945-52-5 | silicon dioxide | 630 mg/m³ |
| 64-19-7 | acetic acid | 250 ppm |
| 763-69-9 | ethyl 3-ethoxypropionate | 110 ppm |
| | dibutyltin dilaurate | 48 mg/m³ |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 5000* ppm |
| 7647-01-0 | hydrogen chloride | 100 ppm |
| | | (Contd. on page |





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(Contd. of page 5) 8000* ppm

78-83-1 butanol

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.

- · 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.

| | 1330-20-7 xylene | | |
|-----|-----------------------------------------------------------------------------|--|--|
| PEL | Long-term value: 435 mg/m³, 100 ppm | | |
| REL | Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm | | |
| TLV | Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm | | |

79-20-9 methyl acetate

BEI

| PEL | Long-term value: 610 mg/m³, 200 ppm |
|-----|--------------------------------------|
| REL | Short-term value: 760 mg/m³, 250 ppm |
| | Long-term value: 610 mg/m³, 200 ppm |

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| | (Contd. of pa |
|-------|-------------------------------------------------------------------------------------------|
| TLV | Short-term value: 757 mg/m³, 250 ppm |
| | Long-term value: 606 mg/m³, 200 ppm |
| 100- | 41-4 ethylbenzene |
| PEL | Long-term value: 435 mg/m³, 100 ppm |
| REL | Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm |
| TLV | Long-term value: 87 mg/m³, 20 ppm BEI |
| 123- | 86-4 n-butyl acetate |
| PEL | Long-term value: 710 mg/m³, 150 ppm |
| REL | Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm |
| TLV | Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm |
| Ingre | edients with biological limit values: |
| 1330 | -20-7 xylene |
| BEI | 1.5 g/g creatinine |
| | Medium: urine |
| | Time: end of shift |
| | Parameter: Methylhippuric acids |
| | 41-4 ethylbenzene |
| | 0.7 g/g creatinine |
| | Medium: urine |
| | Time: end of shift at end of workweek |
| | Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) |
| | |
| | - Medium: end-exhaled air |
| | Time: not critical |
| | 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.

Avoid contact with the eyes and skin.

· 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.

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· 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.

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 of General Information Appearance: | chemical properties |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Form: | Liquid |
| Color: | Grey |
| · Odor: | Characteristic |
| · Odor threshold: | Not determined. |
| · pH-value: | Not determined. |
| Change in condition Melting point/Melting range: Boiling point/Boiling range: | Undetermined. 136°C (276.8°F) |
| · Flash point: | 25 °C (77 °F) |
| · Flammability (solid, gaseous): | Not applicable. |
| · Ignition temperature: | 500 °C (932 °F) |
| | (Ocatal company) |

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|--------------------------------------|--------------------------------------------------------------------------------------------|
| Decomposition temperature: | Not determined. |
| Auto igniting: | Product is not selfigniting. |
| Danger of explosion: | Product is not explosive. However, formation of explosive ail vapor mixtures are possible. |
| · Explosion limits: | |
| Lower: | 1.1 Vol % |
| Upper: | 7 Vol % |
| Vapor pressure at 20 °C (68 °F): | 6.7 hPa (5 mm Hg) |
| Density at 20 °C (68 °F): | 1.626 g/cm³ (13.56897 lbs/gal) |
| Relative density | Not determined. |
| · Vapor density | Not determined. |
| · Evaporation rate | Not determined. |
| · Solubility in / Miscibility with | |
| Water: | Not miscible or difficult to mix. |
| Partition coefficient (n-octanol/wat | er): Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | 30.7 % |
| Coating VOC content: | 12.46 % |
| - | 267.3 g/l / 2.23 lb/gal |
| Material VOC content: | 202.6 g/l / 1.69 lb/gal |
| Solids content: | 69.1 % |
| · 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.





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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)

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

The product shows the following dangers according to internally approved calculation methods for preparations:

. Harmful

Irritant

· Carcinogenic categories

| , | |
|-------------------|----------------------------------------------------------------------------------------------|
| titanium dioxide | 2B |
| | 2B |
| xylene | 3 |
| | 2B |
| hydrogen chloride | 3 |
| | titanium dioxide 4-chloro-alpha,alpha-trifluorotoluene xylene ethylbenzene hydrogen chloride |

· 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 2 (Self-assessment): hazardous for water

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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.

- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

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 PAINT

- · Transport hazard class(es)
- · DOT



· Class 3 Flammable liquids

· Label

· ADR, 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 Hazard identification number (Kemler code): EMS Number: Stowage Category | Warning: Flammable liquids 30 F-E, <u>S-E</u> 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 On cargo aircraft only: 220 L |
| ADR Excepted quantities (EQ) | Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| IMDG Limited quantities (LQ) Excepted quantities (EQ) | 5L 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 |

15 Regulatory information

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

Sara

· Section 355 (extremely hazardous substances):

7647-01-0 hydrogen chloride

Section 313 (Specific toxic chemical listings):

1330-20-7 xylene

100-41-4 ethylbenzene

7647-01-0 hydrogen chloride

· TSCA (Toxic Substances Control Act):

13463-67-7 titanium dioxide

ACTIVE

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| 98-56-6 | 4-chloro-alpha,alpha,alpha-trifluorotoluene | (Contd. of page |
|-------------------------|---------------------------------------------------|-----------------|
| 1330-20-7 | | ACTIV |
| | methyl acetate | ACTIV |
| | ethylbenzene | ACTIV |
| | n-butyl acetate | ACTIV |
| | Propylene glycol | ACTIV |
| | acetic acid | ACTIV |
| | ethyl 3-ethoxypropionate | ACTIV |
| | dibutyltin dilaurate | ACTIV |
| | 2-methoxy-1-methylethyl acetate | ACTIV |
| | hydrogen chloride | ACTIV |
| | butanol | ACTIV |
| | Air Pollutants | |
| 1330-20-7 | | |
| | ethylbenzene | |
| | hydrogen chloride | |
| Propositio | | |
| Chemicals | known to cause cancer: | |
| 13463-67-7 | titanium dioxide | |
| 98-56-6 | 4-chloro-alpha,alpha,alpha-trifluorotoluene | |
| 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. | |
| Carcinoge | nic categories | |
| | ronmental Protection Agency) | |
| 1330-20-7 | xylene | |
| 100-41-4 | ethylbenzene | |
| | shold Limit Value established by ACGIH) | |
| TLV (Thres | titanium dioxide | A |
| | | |
| | | A |
| 13463-67-7 1330-20-7 | | A |





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7647-01-0 hydrogen chloride

Α4

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

13463-67-7 titanium dioxide

· GHS label elements

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

· Hazard pictograms







GHS02 GHS07 GHS08

· Signal word Warning

· Hazard-determining components of labeling:

titanium dioxide

xylene

ethylbenzene

4-chloro-alpha,alpha,alpha-trifluorotoluene

· Hazard statements

Flammable liquid and vapor.

Harmful if inhaled.

Causes skin irritation.

Causes serious eve irritation.

Suspected of causing cancer.

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.

Keep container tightly closed.

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.

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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

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Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use for extinction: CO2, powder or water spray.

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.

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 05/07/2020 / -
- · Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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

Acute Tox. 4: Acute toxicity - Category 4

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

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

Carc. 2: Carcinogenicity - Category 2

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