

## Safety Data Sheet acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

### 1 Identification

- **Product identifier**
- **Trade name:** UST-503
- **Other means of identification**
- **Application of the substance / the mixture** For Laboratory Use Only
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
NSI Lab Solutions  
7212 ACC Blvd.,  
Raleigh, NC 27617  
USA
- **Information department:** Product safety department
- **Emergency telephone number:** During normal opening times: +1 (919) 789-3000

### \* 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable liquids 2

H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Aspiration hazard 1

H304 May be fatal if swallowed and enters airways.



GHS07

Specific target organ toxicity (single exposure) 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).
- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**  
pentane  
n-hexane

(Contd. on page 2)

# Safety Data Sheet

## acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

**Trade name: UST-503**

(Contd. of page 1)

octane

dodecane

- **Hazard statements**

*Highly flammable liquid and vapor.**May cause drowsiness or dizziness.**May be fatal if swallowed and enters airways.*

- **Precautionary statements**

*Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**Ground / bond container and receiving equipment.**Use explosion-proof [electrical/ventilating/lighting] equipment.**Use non-sparking tools.**Take action to prevent static discharge.**Avoid breathing dust/fume/gas/mist/vapors/spray**Use only outdoors or in a well-ventilated area.**Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.**If swallowed: Immediately call a poison center/doctor.**Do NOT induce vomiting.**If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].**If inhaled: Remove person to fresh air and keep comfortable for breathing.**Call a poison center/doctor if you feel unwell.**In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.**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.*

- **Information pertaining to particular dangers for man and environment:**

- **Classification system:**

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



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



- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Classification according to (d)(1)(ii) of § 1910.1200**

*The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.*

- **Hazards not otherwise classified**

*There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.*

### \* 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

(Contd. on page 3)

US

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: UST-503

(Contd. of page 2)

|                                   |                    |         |
|-----------------------------------|--------------------|---------|
| · <b>Dangerous components:</b>    |                    |         |
| 109-66-0                          | pentane            | 80–100% |
| · <b>Non-hazardous components</b> |                    |         |
| 110-54-3                          | n-hexane           | <0.1%   |
| 111-65-9                          | octane             | ≤0.1%   |
| 112-40-3                          | dodecane           | ≤0.1%   |
| 124-18-5                          | decane             | ≤0.1%   |
| 142-82-5                          | heptane            | ≤0.1%   |
| 544-76-3                          | hexadecane         | ≤0.1%   |
| 629-94-7                          | n-Heneicosane      | ≤0.1%   |
| 630-02-4                          | octacosane         | ≤0.1%   |
| 630-07-9                          | n-Pentatriacontane | ≤0.1%   |

## 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **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.
- **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:**  
CO<sub>2</sub>, 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** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
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 section 13.  
Ensure adequate ventilation.
- **Protective Action Criteria for Chemicals**

|                 |          |           |
|-----------------|----------|-----------|
| · <b>PAC-1:</b> |          |           |
| 109-66-0        | pentane  | 3000* ppm |
| 110-54-3        | n-hexane | 400 ppm   |

(Contd. on page 4)

# Safety Data Sheet

## acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

**Trade name: UST-503**

(Contd. of page 3)

|          |                    |                      |
|----------|--------------------|----------------------|
| 111-65-9 | octane             | 230 ppm              |
| 112-40-3 | dodecane           | 1.7 ppm              |
| 124-18-5 | decane             | 6.6 ppm              |
| 142-82-5 | heptane            | 500 ppm              |
| 544-76-3 | hexadecane         | 35 mg/m <sup>3</sup> |
| 630-02-4 | octacosane         | 230 ppm              |
| 630-07-9 | n-Pentatriacontane | 30 mg/m <sup>3</sup> |

**· PAC-2:**

|          |                    |                       |
|----------|--------------------|-----------------------|
| 109-66-0 | pentane            | 33000*** ppm          |
| 110-54-3 | n-hexane           | 2900 ppm              |
| 111-65-9 | octane             | 385 ppm               |
| 112-40-3 | dodecane           | 1.3 ppm               |
| 124-18-5 | decane             | 73 ppm                |
| 142-82-5 | heptane            | 830 ppm               |
| 544-76-3 | hexadecane         | 380 mg/m <sup>3</sup> |
| 630-02-4 | octacosane         | 385 ppm               |
| 630-07-9 | n-Pentatriacontane | 330 mg/m <sup>3</sup> |

**· PAC-3:**

|          |                    |                         |
|----------|--------------------|-------------------------|
| 109-66-0 | pentane            | 200000 ppm              |
| 110-54-3 | n-hexane           | 8600 ppm                |
| 111-65-9 | octane             | 5000** ppm              |
| 112-40-3 | dodecane           | 7.9 ppm                 |
| 124-18-5 | decane             | 440 ppm                 |
| 142-82-5 | heptane            | 5000* ppm               |
| 544-76-3 | hexadecane         | 2,800 mg/m <sup>3</sup> |
| 630-02-4 | octacosane         | 5,000 ppm               |
| 630-07-9 | n-Pentatriacontane | 2,000 mg/m <sup>3</sup> |

**· 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

**· 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 charges.

**· 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 one common storage facility:** Not required.**· Further information about storage conditions:**

Keep receptacle tightly sealed.

(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: UST-503

(Contd. of page 4)

Store in cool, dry conditions in well sealed receptacles.

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

## 8 Exposure controls/personal protection

· **Control parameters**· **Components with limit values that require monitoring at the workplace:**

### 109-66-0 pentane

|     |                                                         |
|-----|---------------------------------------------------------|
| PEL | Long-term value: 2950 mg/m <sup>3</sup> , 1000 ppm      |
| REL | Long-term value: 350 mg/m <sup>3</sup> , 120 ppm        |
|     | Ceiling limit value: 1800* mg/m <sup>3</sup> , 610* ppm |
|     | *15-min                                                 |
| TLV | Long-term value: 2950 mg/m <sup>3</sup> , 1000 ppm      |

· **Additional information:** The lists that were valid during the creation were used as basis.· **Exposure controls**· **Appropriate engineering controls** No further data; see section 7.· **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.

· **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.

· **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

· **Body protection:** Protective work clothing

— US —

(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: UST-503

(Contd. of page 5)

## \* 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

|                                            |                                             |
|--------------------------------------------|---------------------------------------------|
| · Physical state                           | Liquid                                      |
| · Color:                                   | Colorless                                   |
| · Odor:                                    | Nearly odorless                             |
| · Odor threshold:                          | Not determined.                             |
| · Melting point/Melting range:             | -129.7 °C (-201.5 °F)                       |
| · Boiling point/Boiling range:             | 36.1 °C (97 °F)                             |
| · Flammability:                            | Highly flammable.                           |
| · Explosion limits:                        |                                             |
| · Lower:                                   | 1.4 Vol %                                   |
| · Upper:                                   | 7.8 Vol %                                   |
| · Flash point:                             | -35 °C (-31 °F)                             |
| · Auto igniting:                           | 285 °C (545 °F)                             |
| · Decomposition temperature:               | Not determined.                             |
| · pH-value:                                | Not determined.                             |
| · Viscosity:                               |                                             |
| · Kinematic:                               | Not determined.                             |
| · Dynamic:                                 | Not determined.                             |
| · Solubility in / Miscibility with         |                                             |
| · Water at 20 °C (68 °F):                  | 0.01 g/l                                    |
| · Partition coefficient (n-octanol/water): | Not determined.                             |
| · Vapor pressure at 20 °C (68 °F):         | 573 hPa (429.8 mm Hg)                       |
| · Vapor pressure:                          |                                             |
| · Density at 20 °C (68 °F):                | 0.62624 g/cm <sup>3</sup> (5.22597 lbs/gal) |
| · Relative density                         | Not determined.                             |
| · Vapor density                            | Not determined.                             |
| · Particle characteristics                 | Not applicable.                             |

### · Other information

|                                                                                 |                                                                                            |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| · Appearance:                                                                   |                                                                                            |
| · Form:                                                                         | Fluid                                                                                      |
| · Important information on protection of health and environment, and on safety. |                                                                                            |
| · Ignition temperature:                                                         | Product is not selfigniting.                                                               |
| · Danger of explosion:                                                          | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · Solvent content:                                                              |                                                                                            |
| · Organic solvents:                                                             | 99.8 %                                                                                     |
| · VOC content:                                                                  | 99.75 %                                                                                    |
|                                                                                 | 997.5 g/l / 8.32 lb/gal                                                                    |
| · Solids content:                                                               | 0.0 %                                                                                      |
| · Change in condition                                                           |                                                                                            |
| · Evaporation rate                                                              | Not determined.                                                                            |

## 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.

(Contd. on page 7)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: UST-503

(Contd. of page 6)

- **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:**
- **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:
- **Interactive effects** No interactive effects between components are known.
- **Carcinogenic categories**

### · **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

### · **NTP (National Toxicology Program)**

None of the ingredients is listed.

### · **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Alternative sources for toxicological information** No non-standard sources for toxicological information where used.

## 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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (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.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 8)

# Safety Data Sheet

## acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: UST-503

(Contd. of page 7)

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

### 14 Transport information

|                                                                                                                                                                         |                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| · <b>UN-Number</b>                                                                                                                                                      | UN1993                                                          |
| · <b>DOT, IMDG, IATA</b>                                                                                                                                                |                                                                 |
| · <b>UN proper shipping name</b>                                                                                                                                        | Flammable liquids, n.o.s. (Pentanes)                            |
| · <b>DOT</b>                                                                                                                                                            | FLAMMABLE LIQUID, N.O.S. (PENTANES), MARINE POLLUTANT           |
| · <b>IMDG</b>                                                                                                                                                           | Flammable liquid, n.o.s. (PENTANES)                             |
| · <b>IATA</b>                                                                                                                                                           |                                                                 |
| · <b>Transport hazard class(es)</b>                                                                                                                                     |                                                                 |
| · <b>DOT</b>                                                                                                                                                            |                                                                 |
|                                                                                        |                                                                 |
| · <b>Class</b>                                                                                                                                                          | 3 Flammable liquids                                             |
| · <b>Label</b>                                                                                                                                                          | 3                                                               |
| · <b>IMDG</b>                                                                                                                                                           |                                                                 |
|   |                                                                 |
| · <b>Class</b>                                                                                                                                                          | 3 Flammable liquids                                             |
| · <b>Label</b>                                                                                                                                                          | 3                                                               |
| · <b>IATA</b>                                                                                                                                                           |                                                                 |
|                                                                                      |                                                                 |
| · <b>Class</b>                                                                                                                                                          | 3 Flammable liquids                                             |
| · <b>Label</b>                                                                                                                                                          | 3                                                               |
| · <b>Packing group</b>                                                                                                                                                  | II                                                              |
| · <b>DOT, IMDG, IATA</b>                                                                                                                                                |                                                                 |
| · <b>Environmental hazards:</b>                                                                                                                                         | Product contains environmentally hazardous substances: pentane  |
| · <b>Marine pollutant:</b>                                                                                                                                              | Symbol (fish and tree)                                          |
| · <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>                                                                                       | Not applicable.                                                 |
| · <b>Transport/Additional information:</b>                                                                                                                              |                                                                 |
| · <b>DOT</b>                                                                                                                                                            |                                                                 |
| · <b>Quantity limitations</b>                                                                                                                                           | On passenger aircraft/rail: 5 L<br>On cargo aircraft only: 60 L |

(Contd. on page 9)



# Safety Data Sheet

## acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: UST-503

(Contd. of page 8)

|                                                      |                                                                               |
|------------------------------------------------------|-------------------------------------------------------------------------------|
| · <b>IMDG</b>                                        |                                                                               |
| · <b>Limited quantities (LQ)</b>                     | IL                                                                            |
| · <b>Excepted quantities (EQ)</b>                    | Code: E2                                                                      |
|                                                      | Maximum net quantity per inner packaging: 30 ml                               |
|                                                      | Maximum net quantity per outer packaging: 500 ml                              |
| · <b>Special precautions for user</b>                | Warning: Flammable liquids                                                    |
| · <b>Hazard identification number (Kemler code):</b> | 33                                                                            |
| · <b>EMS Number:</b>                                 | F-E, S-E                                                                      |
| · <b>Stowage Category</b>                            | B                                                                             |
| · <b>UN "Model Regulation":</b>                      | UN 1993 FLAMMABLE LIQUID, N.O.S. (PENTANES), 3, II, ENVIRONMENTALLY HAZARDOUS |

### \*15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **Sara**

|                                                        |
|--------------------------------------------------------|
| · <b>Section 355 (extremely hazardous substances):</b> |
| None of the ingredients is listed.                     |

|                                                          |
|----------------------------------------------------------|
| · <b>Section 313 (Specific toxic chemical listings):</b> |
| 110-54-3   n-hexane                                      |

| · TSCA (Toxic Substances Control Act): |               |        |
|----------------------------------------|---------------|--------|
| 109-66-0                               | pentane       | ACTIVE |
| 110-54-3                               | n-hexane      | ACTIVE |
| 111-65-9                               | octane        | ACTIVE |
| 112-40-3                               | dodecane      | ACTIVE |
| 124-18-5                               | decane        | ACTIVE |
| 142-82-5                               | heptane       | ACTIVE |
| 544-76-3                               | hexadecane    | ACTIVE |
| 629-94-7                               | n-Heneicosane | ACTIVE |
| 630-02-4                               | octacosane    | ACTIVE |

|                                   |
|-----------------------------------|
| · <b>Hazardous Air Pollutants</b> |
| 110-54-3   n-hexane               |

#### · Proposition 65

|                                           |
|-------------------------------------------|
| · <b>Chemicals known to cause cancer:</b> |
| None of the ingredients is listed.        |

|                                                                      |
|----------------------------------------------------------------------|
| · <b>Chemicals known to cause reproductive toxicity for females:</b> |
| None of the ingredients is listed.                                   |

|                                                                    |
|--------------------------------------------------------------------|
| · <b>Chemicals known to cause reproductive toxicity for males:</b> |
| 110-54-3   n-hexane                                                |

|                                                           |
|-----------------------------------------------------------|
| · <b>Chemicals known to cause developmental toxicity:</b> |
| None of the ingredients is listed.                        |

(Contd. on page 10)

# Safety Data Sheet

## acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

**Trade name: UST-503**

(Contd. of page 9)

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

|          |          |    |
|----------|----------|----|
| 110-54-3 | n-hexane | II |
| 142-82-5 | heptane  | D  |

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **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).· **Hazard pictograms**

GHS02

GHS07

GHS08

· **Signal word** Danger· **Hazard-determining components of labeling:**

pentane

n-hexane

octane

dodecane

· **Hazard statements**

Highly flammable liquid and vapor.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

· **Precautionary statements**

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

Ground / bond container and receiving equipment.

Use explosion-proof [electrical/ventilating/lighting] equipment.

Use non-sparking tools.

Take action to prevent static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

If swallowed: Immediately call a poison center/doctor.

Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

If inhaled: Remove person to fresh air and keep comfortable for breathing.

Call a poison center/doctor if you feel unwell.

In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.

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.

US —

(Contd. on page 11)

# Safety Data Sheet

## acc. to OSHA HCS

Date of issue: 06/30/2026

Reviewed on 06/30/2026

Trade name: UST-503

(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.*

· **Department issuing SDS:** Environment protection department.

· **Contact:** - Department Technical Manager

· **Date of previous version** 10/17/2025

· **Date of preparation** 06/30/2026

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

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

Flammable liquids 2: Flammable liquids – Category 2

Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3

Aspiration hazard 1: Aspiration hazard – Category 1

· **\* Data compared to the previous version altered.**