

1 Identification

- **Product identifier**
- **Trade name:** 40923 1K HS CLEAR MATTE
- **Article number:** 40923
- **Application of the substance / the mixture** Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEM Products Inc.
1685 Overview Drive
Rock Hill, SC 29730
803 207 8225
- **Information department:**
cust_care@semproducts.com : SEM Products, Inc. 1685 Overview Dr. Rock Hill, SC 29730 : phone 1-800-831-1122, M - TH 7am - 4pm EDT
- **Emergency telephone number:** CHEMTREC 1-800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.



GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
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).

- **Hazard pictograms**



GHS02



GHS04



GHS07



GHS08

Trade name: 40923 1K HS CLEAR MATTE

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· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

acetone

bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate

· **Hazard statements**

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

· **Precautionary statements**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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

P251 Pressurized container: Do not pierce or burn, even after use.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash thoroughly after handling.

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

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 If on skin: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a poison center/doctor if you feel unwell.

P321 Specific treatment (see on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

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

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

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 4

Reactivity = 3

· **HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 4

Reactivity = 3

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

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Mixture: consisting of the following components.
Weight percentages

· **Dangerous components:**

68476-86-8	Petroleum gases, liquefied, sweetened	13-30%
67-64-1	acetone	13-30%
110-19-0	isobutyl acetate	13-30%
110-43-0	heptan-2-one	10-13%
763-69-9	ethyl 3-ethoxypropionate	1.5-5%
25053-09-2	Acrylic Polymer	1.5-5%
112945-52-5	SILICA	1-1.5%
108-88-3	toluene	≥0.1-≤1%
25973-55-1	2-(2-HYDROXY-3-5-DI--(TERT)-AMYLPHENYL)BENZOTRIAZOLE	≥0.1-≤1%
41556-26-7	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate	≥0.1-<1%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
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. If symptoms persist, 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.

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

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- **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:**
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:**

67-64-1	acetone	200 ppm
110-19-0	isobutyl acetate	450 ppm
110-43-0	heptan-2-one	150 ppm
763-69-9	ethyl 3-ethoxypropionate	1.6 ppm
112945-52-5	SILICA	18 mg/m ³
108-88-3	toluene	67 ppm
1330-20-7	xylene	130 ppm
122-99-6	2-Phenoxyethanol	1.5 ppm
100-41-4	ethylbenzene	33 ppm
67-56-1	methanol	530 ppm
57-55-6	Propylene glycol	30 mg/m ³
78-83-1	butanol	150 ppm

· **PAC-2:**

67-64-1	acetone	3200* ppm
110-19-0	isobutyl acetate	1300* ppm
110-43-0	heptan-2-one	670 ppm
763-69-9	ethyl 3-ethoxypropionate	18 ppm
112945-52-5	SILICA	100 mg/m ³
108-88-3	toluene	560 ppm
1330-20-7	xylene	920* ppm
122-99-6	2-Phenoxyethanol	16 ppm
100-41-4	ethylbenzene	1100* ppm
67-56-1	methanol	2,100 ppm
57-55-6	Propylene glycol	1,300 mg/m ³
78-83-1	butanol	1,300 ppm

· **PAC-3:**

67-64-1	acetone	5700* ppm
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110-19-0	isobutyl acetate	7500** ppm
110-43-0	heptan-2-one	4000* ppm
763-69-9	ethyl 3-ethoxypropionate	110 ppm
112945-52-5	SILICA	630 mg/m ³
108-88-3	toluene	3700* ppm
1330-20-7	xylene	2500* ppm
122-99-6	2-Phenoxyethanol	97 ppm
100-41-4	ethylbenzene	1800* ppm
67-56-1	methanol	7200* ppm
57-55-6	Propylene glycol	7,900 mg/m ³
78-83-1	butanol	8000* ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:**
Do not spray on a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **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.

67-64-1 acetone

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm
	Long-term value: 594 mg/m ³ , 250 ppm
BEI	

110-19-0 isobutyl acetate

PEL	Long-term value: 700 mg/m ³ , 150 ppm
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REL Long-term value: 700 mg/m³, 150 ppm
TLV Short-term value: 712 mg/m³, 150 ppm
Long-term value: 238 mg/m³, 50 ppm

110-43-0 heptan-2-one

PEL Long-term value: 465 mg/m³, 100 ppm
REL Long-term value: 465 mg/m³, 100 ppm
TLV Long-term value: 233 mg/m³, 50 ppm

108-88-3 toluene

PEL Long-term value: 200 ppm
Ceiling limit value: 300; 500* ppm
*10-min peak per 8-hr shift
REL Short-term value: 560 mg/m³, 150 ppm
Long-term value: 375 mg/m³, 100 ppm
TLV Long-term value: 75 mg/m³, 20 ppm
BEI

· Ingredients with biological limit values:

67-64-1 acetone

BEI 50 mg/L
Medium: urine
Time: end of shift
Parameter: Acetone (nonspecific)

108-88-3 toluene

BEI 0.02 mg/L
Medium: blood
Time: prior to last shift of workweek
Parameter: Toluene

0.03 mg/L
Medium: urine
Time: end of shift
Parameter: Toluene

0.3 mg/g creatinine
Medium: urine
Time: end of shift
Parameter: o-Cresol with hydrolysis (background)

· **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.
 - Avoid contact with the eyes.
 - Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.

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Protection of hands:

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



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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:

Safety glasses



Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Aerosol
Color:	Clear
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value: Not determined.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55.8-56.6 °C

Flash point: -97 °C

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 405 °C

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: In use, may form flammable/explosive vapour-air mixture.

Explosion limits:

Lower:	1 Vol %
Upper:	13 Vol %

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· Vapor pressure at 20 °C:	233 hPa
· Density at 20 °C:	0.75525 g/cm ³
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	84.6 %
Water:	0.0 %
VOC content:	60.73 %
	593.9 g/l / 4.96 lb/gl
· Solids content:	15.4 %
· 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:**
 - Nitrogen oxides
 - Hydrocarbons
 - Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
 - The product shows the following dangers according to internally approved calculation methods for preparations:
 - Irritant

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· **Carcinogenic categories**

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

108-88-3	toluene	3
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)**

68911-87-5 | montmorilontie clay complex

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 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.

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** UN1950

· **UN proper shipping name**

· **DOT** Aerosols, flammable
 · **ADR** 1950 Aerosols
 · **IMDG** AEROSOLS
 · **IATA** AEROSOLS, flammable

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· **Transport hazard class(es)**

· **DOT**



· **Class** 2.1
· **Label** 2.1

· **ADR**



· **Class** 2 5F Gases
· **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1
· **Label** 2.1

· **Packing group**
· **DOT, ADR, IMDG, IATA** Void

· **Environmental hazards:**
· **Marine pollutant:** No

· **Special precautions for user** Warning: Gases
· **EMS Number:** F-D,S-U
· **Stowage Code** SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· **Segregation Code** SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

· **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: 75 kg
On cargo aircraft only: 150 kg

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· Remarks	ORM-D CFR49 173.150,156,306
· ADR	
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

15 Regulatory information

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

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

108-88-3	toluene
1330-20-7	xylene
122-99-6	2-Phenoxyethanol
100-41-4	ethylbenzene
67-56-1	methanol
104-68-7	Diethylene glycol monophenyl ether

· TSCA (Toxic Substances Control Act):

67-64-1	acetone
110-19-0	isobutyl acetate
110-43-0	heptan-2-one
763-69-9	ethyl 3-ethoxypropionate
25053-09-2	Acrylic Polymer
16883-83-3	benzyl 3-isobutyloxy-1-isopropyl-2-2-dimethylpropyl phthalate
108-88-3	toluene
25973-55-1	2-(2-HYDROXY-3-5-DI--(TERT)-AMYLPHENYL)BENZOTRIAZOLE
41556-26-7	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate
1330-20-7	xylene
68911-87-5	montmorilontie clay complex
82919-37-7	Methyl (1,2,2,6,6,- pentamethyl-4-piperidinyl) sebacate
122-99-6	2-Phenoxyethanol
100-41-4	ethylbenzene
67-56-1	methanol
106-79-6	Dimethyl sebacate(Impurity)
104-68-7	Diethylene glycol monophenyl ether

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2403-89-6	4-Piperidinol, 1,2,2,6,6 pentamethyl- (Impurity)
57-55-6	Propylene glycol
78-83-1	butanol
7732-18-5	water

· TSCA new (21st Century Act) (Substances not listed)

68476-86-8	Petroleum gases, liquefied, sweetened
25053-09-2	Acrylic Polymer
112945-52-5	SILICA

· Proposition 65

· Chemicals known to cause cancer:

1330-20-7	xylene
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:

108-88-3	toluene
67-56-1	methanol

· Cancerogenity categories

· EPA (Environmental Protection Agency)

67-64-1	acetone	I
108-88-3	toluene	II
1330-20-7	xylene	I
100-41-4	ethylbenzene	D

· TLV (Threshold Limit Value established by ACGIH)

67-64-1	acetone	A4
108-88-3	toluene	A4
1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3

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

67-56-1	methanol
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· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



GHS02 GHS04 GHS07 GHS08

· Signal word Danger

· Hazard-determining components of labeling:

acetone
bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate

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Trade name: 40923 1K HS CLEAR MATTE

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· **Hazard statements**

- H222 *Extremely flammable aerosol.*
- H280 *Contains gas under pressure; may explode if heated.*
- H319 *Causes serious eye irritation.*
- H317 *May cause an allergic skin reaction.*
- H361 *Suspected of damaging fertility or the unborn child.*
- H336 *May cause drowsiness or dizziness.*

· **Precautionary statements**

- P201 *Obtain special instructions before use.*
- P202 *Do not handle until all safety precautions have been read and understood.*
- P210 *Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*
- P211 *Do not spray on an open flame or other ignition source.*
- P251 *Pressurized container: Do not pierce or burn, even after use.*
- P261 *Avoid breathing dust/fume/gas/mist/vapors/spray*
- P264 *Wash thoroughly after handling.*
- P271 *Use only outdoors or in a well-ventilated area.*
- P272 *Contaminated work clothing must not be allowed out of the workplace.*
- P280 *Wear protective gloves/protective clothing/eye protection/face protection.*
- P302+P352 *If on skin: Wash with plenty of water.*
- P304+P340 *IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
- P305+P351+P338 *If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
- P308+P313 *IF exposed or concerned: Get medical advice/attention.*
- P312 *Call a poison center/doctor if you feel unwell.*
- P321 *Specific treatment (see on this label).*
- P333+P313 *If skin irritation or rash occurs: Get medical advice/attention.*
- P337+P313 *If eye irritation persists: Get medical advice/attention.*
- P363 *Wash contaminated clothing before reuse.*
- P403+P233 *Store in a well-ventilated place. Keep container tightly closed.*
- P405 *Store locked up.*
- P410+P403 *Protect from sunlight. Store in a well-ventilated place.*
- P410+P412 *Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.*
- P501 *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:** Environment protection department.

· **Contact:**

866 569 9399

Rita Joiner (rjoiner@semproducts.com)

· **Date of preparation / last revision** 04/18/2018 / -

· **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

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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)
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. Aerosol 1: Aerosols – Category 1
Press. Gas: Gases under pressure – Compressed gas
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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