

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

1 Identification

- **Product identifier**
- **Trade name:** WM-8107 DRY VIBRATABLE
- **Other means of identification**
- **Article number:** 689E
- **Restrictions** Restricted to industrial or professional use.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 HarbisonWalker International
 1305 Cherrington Parkway, Suite 100
 Moon Township
 Pennsylvania
 15108
 United States
- **Information department:**
 SDS.information@calderys.com
 +33 1 49 55 38 57
- **Emergency telephone number:**
 CHEMTREC EMERGENCY
 1-800-424-9300
 US/CAN ONLY

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Sensitization - respiratory 1

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Reproductive toxicity 1B

H360 May damage fertility or the unborn child.

Specific target organ toxicity (single exposure) 1

H370 Causes damage to organs.

Specific target organ toxicity (repeated exposure) 1

H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS07

Skin irritation 2

H315 Causes skin irritation.

Eye irritation 2A

H319 Causes serious eye irritation.

Sensitization - skin 1

H317 May cause an allergic skin reaction.

Specific target organ toxicity (single exposure) 3

H335 May cause respiratory irritation.

- **Label elements**

- **GHS label elements**

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

(Contd. on page 2)

Safety Data Sheet acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: **WM-8107 DRY VIBRATABLE**

(Contd. of page 1)

· **Hazard pictograms**



GHS08 GHS07

· **Signal word** *Danger*

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

*magnesium oxide
methenamine
boric acid
silicon dioxide, amorphous
chromium*

· **Hazard statements**

*H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H360 May damage fertility or the unborn child.
H370 Causes damage to organs.
H335 May cause respiratory irritation.
H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure:
Inhalation.*

· **Precautionary statements**

*P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
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/hearing protection.

P284 [In case of inadequate ventilation] wear respiratory 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).
P314 Get medical advice/attention if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 2)

- **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.

- **Dangerous components:**

1309-48-4	magnesium oxide	60–80%
1317-71-1	Olivine-group minerals	≥10–≤30%
7631-86-9	silicon dioxide, amorphous	1–5%
100-97-0	methenamine	1–5%
1305-78-8	calcium oxide	≥1–<3%
1309-37-1	diiron trioxide	≥1–<1.5%
11113-50-1	boric acid	0.1–1%
7440-47-3	chromium	≥0.1–<1%

- **Additional information:**

The product may contain, in some of the raw materials, crystalline silica as a trace element (quartz, cristobalite, trydimite). Process of the product may generate respirable crystalline silica. Long term exposure to crystalline silica can cause lung injury (silicosis). IARC and NTP have determined that crystalline silica inhaled from occupational exposure sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure.

US

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 3)

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 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.

- **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:** Use fire fighting measures that suit the environment.

- **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

If heated to decomposition (>1700 °C), magnesium oxide fumes may be generated.

- **Advice for firefighters**

· **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

· **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 section 13.

Ensure adequate ventilation.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

1309-48-4	magnesium oxide	30 mg/m ³
7631-86-9	silicon dioxide, amorphous	18 mg/m ³
100-97-0	methenamine	55 mg/m ³
1305-78-8	calcium oxide	6 mg/m ³
65997-17-3	Glass oxide, chemicals	15 mg/m ³
1309-37-1	diiron trioxide	15 mg/m ³
1344-28-1	aluminium oxide	15 mg/m ³
7440-47-3	chromium	1.5 mg/m ³

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 4)

7440-02-0	nickel	4.5 mg/m ³
· PAC-2:		
1309-48-4	magnesium oxide	120 mg/m ³
7631-86-9	silicon dioxide, amorphous	200 ppm
100-97-0	methenamine	610 mg/m ³
1305-78-8	calcium oxide	42 mg/m ³
65997-17-3	Glass oxide, chemicals	170 mg/m ³
1309-37-1	diiron trioxide	360 mg/m ³
1344-28-1	aluminium oxide	41 ppm
7440-47-3	chromium	17 mg/m ³
7440-02-0	nickel	50 mg/m ³
· PAC-3:		
1309-48-4	magnesium oxide	730 mg/m ³
7631-86-9	silicon dioxide, amorphous	1200 ppm
100-97-0	methenamine	3,600 mg/m ³
1305-78-8	calcium oxide	250 mg/m ³
65997-17-3	Glass oxide, chemicals	990 mg/m ³
1309-37-1	diiron trioxide	2,200 mg/m ³
1344-28-1	aluminium oxide	240 ppm
7440-47-3	chromium	99 mg/m ³
7440-02-0	nickel	99 mg/m ³

· 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.

Open and handle receptacle with care.

· Information about protection against explosions and fires:

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:

Do not store with Strong Acids or Chlorine Trifluoride.

NOTE: Exposure to water may cause this product to slowly hydrate, during which heat may be generated (exothermic reaction).

· Further information about storage conditions: Keep receptacle tightly sealed.

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

US

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 5)

8 Exposure controls/personal protection

- **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.

1309-48-4 magnesium oxide

PEL	Long-term value: 15* mg/m ³ fume; *total particulate
-----	--

TLV	Long-term value: 10* mg/m ³ *as inhalable fraction, A4
-----	--

100-97-0 methenamine

TLV	Long-term value: 1 mg/m ³ *inhalable fraction, A4, DSEN
-----	---

1305-78-8 calcium oxide

PEL	Long-term value: 5 mg/m ³
-----	--------------------------------------

REL	Long-term value: 2 mg/m ³
-----	--------------------------------------

TLV	Long-term value: 2 mg/m ³
-----	--------------------------------------

1309-37-1 diiron trioxide

PEL	Long-term value: 10* mg/m ³ *Fume
-----	---

REL	Long-term value: 5 mg/m ³ Dust & fume, as Fe
-----	--

TLV	Long-term value: 5* mg/m ³ *Respirable particulate matter, A4
-----	---

7440-47-3 chromium

PEL	Long-term value: 1 mg/m ³
-----	--------------------------------------

REL	Long-term value: 0.5* mg/m ³ *metal+inorg.compds.as Cr; See Pocket Guide App. C
-----	---

TLV	Long-term value: 0.003* 0.5** mg/m ³ inh. fraction, *as Cr(III): A4, **metal
-----	--

- **Regulatory information**
 PEL: Guide to Occupational Exposure Values (OSHA PELs)
 TLV: Guide to Occupational Exposure Values (TLV)
 REL: Guide to Occupational Exposure Values (NIOSH RELs)

- **Ingredients with biological limit values:**

7440-47-3 chromium

BEI	0.7 µg/L
-----	----------

Medium: urine

Time: end of shift at end of workweek

Parameter: Total chromium (population based)

- **Regulatory information** BEI: Guide to Occupational Exposure Values (BEI)
- **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.

(Contd. on page 7)

Safety Data Sheet acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 6)

· **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.



Maintain adequate ventilation when dust is present.
Please consult applicable local legislation
Wear appropriate respiratory equipment (EN149:2009 FFP3)
Use a filter mask if dust concentrations exceed exposure limits.

· **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 chemical properties**

· **General Information**

· **Physical state**

Solid

· **Color:**

Grey

· **Odor:**

uncharacteristic

· **Odor threshold:**

Not determined.

· **Melting point/Melting range:**

Undetermined.

· **Boiling point/Boiling range:**

3,600 °C (38.500 °F)

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 7)

· Flammability:	Not determined.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH-value:	Not applicable.
· Viscosity:	
· Kinematic:	Not applicable.
· Dynamic:	Not applicable.
· Solubility in / Miscibility with	
· Water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure:	Not applicable.
· Vapor pressure:	
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not applicable.
· Particle characteristics	Not determined.
· Other information	
· Appearance:	
· Form:	Solid in various forms
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Solvent content:	
· VOC content:	0.00 %
· Solids content:	97.2 %
· Change in condition	
· Evaporation rate	Not applicable.

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.

US

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 8)

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

7631-86-9 silicon dioxide, amorphous		
Oral	LD50	10,000 mg/kg (rat)

1309-37-1 diiron trioxide		
Oral	LD50	>5,000 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Irritating effect.

- **Sensitization:**

- Sensitization possible through inhalation.

- Sensitization possible through skin contact.

- **Additional toxicological information:**

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

- Harmful

- Irritant

- **Interactive effects** No interactive effects between components are known.

- **Carcinogenic categories**

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

7631-86-9	silicon dioxide, amorphous	3
-----------	----------------------------	---

1309-37-1	diiron trioxide	3
-----------	-----------------	---

7440-47-3	chromium	3
-----------	----------	---

7440-02-0	nickel	2B
-----------	--------	----

- **NTP (National Toxicology Program)**

7440-02-0	nickel	R
-----------	--------	---

- **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.

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 9)

- **Other adverse effects**
- **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.

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, IMDG, IATA | <i>not regulated</i> |
| · UN proper shipping name
· DOT, IMDG, IATA | <i>not regulated</i> |
| · Transport hazard class(es)
· DOT, ADN, IMDG, IATA
· Class | <i>not regulated</i> |
| · Packing group
· DOT, IMDG, IATA | <i>not regulated</i> |
| · Environmental hazards: | <i>Not applicable.</i> |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | <i>Not applicable.</i> |
| · Special precautions for user | <i>Not applicable.</i> |
| · UN "Model Regulation": | <i>not regulated</i> |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Sara**
- **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 10)

· Section 313 (Specific toxic chemical listings):

1344-28-1	aluminium oxide
7440-47-3	chromium
7440-02-0	nickel

· TSCA (Toxic Substances Control Act):

1309-48-4	magnesium oxide	ACTIVE
7631-86-9	silicon dioxide, amorphous	ACTIVE
100-97-0	methenamine	ACTIVE
1305-78-8	calcium oxide	ACTIVE
65997-17-3	Glass oxide, chemicals	ACTIVE
1309-37-1	diiron trioxide	ACTIVE
1344-28-1	aluminium oxide	ACTIVE
11113-50-1	boric acid	ACTIVE
7440-47-3	chromium	ACTIVE
8042-47-5	White mineral oil, petroleum	ACTIVE
7440-02-0	nickel	ACTIVE

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65
· Chemicals known to cause cancer:

7440-02-0	nickel
-----------	--------

· 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)

11113-50-1	boric acid	I (oral)
7440-47-3	chromium	D

· TLV (Threshold Limit Value)

1309-48-4	magnesium oxide	A4
1309-37-1	diiron trioxide	A4
1344-28-1	aluminium oxide	A4
7440-47-3	chromium	A4
7440-02-0	nickel	A5

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

7440-02-0	nickel
-----------	--------

· GHS label elements

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

(Contd. on page 12)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 11)

Hazard pictograms


GHS08 GHS07

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

magnesium oxide
 methenamine
 boric acid
 silicon dioxide, amorphous
 chromium

Hazard statements

H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H317 May cause an allergic skin reaction.
 H360 May damage fertility or the unborn child.
 H370 Causes damage to organs.
 H335 May cause respiratory irritation.
 H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure:
Inhalation.

Precautionary statements

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 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/hearing protection.

 P284 [In case of inadequate ventilation] wear respiratory 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).
 P314 Get medical advice/attention if you feel unwell.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 13)

Safety Data Sheet acc. to OSHA HCS

Date of issue: 12/18/2024

Reviewed on 12/18/2024

Trade name: WM-8107 DRY VIBRATABLE

(Contd. of page 12)

· **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.

- **Contact:** sds.information@calderys.com
- **Date of previous version** 12/18/2024
- **Version number of previous version:** 1
- **Date of preparation** 12/18/2024
- **Abbreviations and acronyms:**
 - 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)
 - 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
 - Skin irritation 2: Skin corrosion/irritation – Category 2
 - Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
 - Sensitization - respiratory 1: Respiratory sensitisation – Category 1
 - Sensitization - skin 1: Skin sensitisation – Category 1
 - Reproductive toxicity 1B: Reproductive toxicity – Category 1B
 - Specific target organ toxicity (single exposure) 1: Specific target organ toxicity (single exposure) – Category 1
 - Specific target organ toxicity (repeated exposure) 1: Specific target organ toxicity (repeated exposure) – Category 1
- *** Data compared to the previous version altered.**

US