SEM

Printing date 06/28/2017 Reviewed on 06/28/2017

1 Identification

· Product identifier

· Trade name: 38203 Guide Coat Black

· Article number: 38203

· 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 GHS04 Flame, Gas cylinder

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

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



GHS08 Health hazard

Carc. 1A H350 May cause cancer.

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

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

· Label elements

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

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· Hazard pictograms









GHS04

GHS07

· Signal word Danger

· Hazard-determining components of labeling:

toluene acetone Ouartz (SiO2) ethyl acetate

· Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

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

H304 May be fatal if swallowed and enters airways.

· 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.

Do not pierce or burn, even after use. P251

Do not breathe dust/fume/gas/mist/vapors/spray. P260

P264 Wash thoroughly after handling.

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

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

IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P301+P310

IF ON SKIN: Wash with plenty of water. P302+P352

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

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. P314 Get medical advice/attention if you feel unwell.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. P362+P364 Store in a well-ventilated place. Keep container tightly closed. P403+P233

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.

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

regulations.

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



Health = 2 Fire = 4Reactivity = 3

· HMIS-ratings (scale 0 - 4)



- · 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

0 1	· Dangerous components:		
67-64-1	•	10 600/	
		40 - 60%	
		13 - 30%	
108-88-3		10 -13%	
141-78-6	ethyl acetate	7 - 10%	
	butanone	1-1.5%	
14808-60-7	Quartz (SiO2)	≤1%	

4 First-aid measures

- · Description of first aid measures
- · After inhalation: 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.

USA





Trade name: 38203 Guide Coat Black

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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.
- · 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

67-64-1	acetone	200 ppm
108-88-3	toluene	67 ppm
141-78-6	ethyl acetate	1,200 ppm
78-93-3	butanone	200 ppm
123-86-4	n-butyl acetate	5 ppm
1330-20-7	xylene	130 ppm
1333-86-4	Carbon black	9 mg/m3
111-76-2	2-butoxyethanol	60 ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	18 mg/m3
14808-60-7	Quartz (SiO2)	0.075 mg/m.
9002-88-4	Polyethylene low density	16 mg/m3
100-41-4	ethylbenzene	33 ppm
PAC-2:		
67-64-1	acetone	3200* ppn
108-88-3	toluene	560 ppm
141-78-6	ethyl acetate	1,700 ppm
78-93-3	butanone	2700* ррг
123-86-4	n-butyl acetate	200 ppm
1330-20-7	xylene	920* ppm
1333-86-4	Carbon black	99 mg/m3
111-76-2	2-butoxyethanol	120 ppm
112026 00 0	precipitated Silica (Silica-Amorphous)	200 mg/m.



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		(Contd. of page
14808-60-7	Quartz (SiO2)	33 mg/m3
9002-88-4	Polyethylene low density	170 mg/m
100-41-4 e	ethylbenzene	1100* ррг
· PAC-3:		
67-64-1 d	acetone	5700* ppm
108-88-3 t	toluene	3700* ppm
141-78-6 e	ethyl acetate	10000** ppi
78-93-3 l	butanone	4000* ppm
123-86-4	n-butyl acetate	3000* ppm
1330-20-7 x	xylene	2500* ppm
1333-86-4	Carbon black	590 mg/m3
111-76-2	2-butoxyethanol	700 ppm
112926-00-8 p	orecipitated Silica (Silica-Amorphous)	1,200 mg/m3
14808-60-7	Quartz (SiO2)	200 mg/m3
9002-88-4	Polyethylene low density	1,000 mg/m3
100-41-4 ε	ethylbenzene	1800* ppm

7 Handling and storage

- · Handling:
- · Precautions for safe handling

No special measures required.

Ensure good ventilation/exhaustion at the workplace.

· 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: Not required.
- 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 remaining constituent has no known exposure limits.

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	I-1 acetone	
	Long-term value: 2400 mg/m³, 1000 ppm	
	Long-term value: 590 mg/m³, 250 ppm	
TLV	Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm BEI	
108-8	88-3 toluene	
	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	
141-7	8-6 ethyl acetate	
PEL	Long-term value: 1400 mg/m³, 400 ppm	
REL	Long-term value: 1400 mg/m³, 400 ppm	
TLV	Long-term value: 1440 mg/m³, 400 ppm	
78-9 3	3-3 butanone	
PEL	Long-term value: 590 mg/m³, 200 ppm	
REL	Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm	
TLV	Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm BEI	
1480	8-60-7 Quartz (SiO2)	
PEL	see Quartz listing	
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A	
TLV	Long-term value: 0.025* mg/m³ *as respirable fraction	
Ingre	dients with biological limit values:	
	l-1 acetone	
BEI .	50 mg/L	
	Medium: urine Time: end of shift	
	Parameter: Acetone (nonspecific)	

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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)

78-93-3 butanone

BEI 2 mg/L

Medium: urine Time: end of shift Parameter: MEK

- · 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.

· 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection: Safety glasses



Tightly sealed goggles

Information on basic physical and	chemical properties
General Information	
Appearance:	
Form:	Aerosol
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55 °C
Flash point:	-103 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	460 °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:	1.2 Vol %
Upper:	13.0 Vol %
Vapor pressure at 20 °C:	233 hPa
Density at 20 °C:	0.75095 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/wat	t er): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.

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VOC content: 45.5% 634.3 g/l / 5.29 lb/glSolids content: 5.9%• Other information No further relevant information available.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50 values that are relevant for classification:				
108-88-3 toluene				
Oral	LD50	5000 mg/kg (rat)		
Dermal	<i>LD50</i>	12124 mg/kg (rabbit)		
Inhalative	LC50/4 h	5320 mg/l (mouse)		

- · 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: Irritant

· Carcinogenic categories

108-88-3	toluene	3
1330-20-7	xylene	3
1333-86-4	Carbon black	2B
111-76-2	2-butoxyethanol	3
14808-60-7	Quartz (SiO2)	1
9002-88-4	Polyethylene low density	3
100-41-4	ethylbenzene	2B

14808-60-7 Quartz (SiO2)

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· 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:

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

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

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.

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· DOT, ADR, IMDG, IATA UN1950

· UN proper shipping name

DOT Aerosols, flammable
ADR 1950 Aerosols
IMDG AEROSOLS

· IATA AEROSOLS, flammable

- · Transport hazard class(es)
- $\cdot DOT$



· Class 2.1

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	(Contd. of page
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 Segregation Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litr Category A. For AEROSOLS with a capacity above 1 litr Category B. For WASTE AEROSOLS: Category C, Clear of livit quarters. SG69 For AEROSOLS with a maximum capacity of 1 litr Segregation as for class 9. Stow "separated from" class 1 except 1 division 1.4. For AEROSOLS with a capacity above 1 litr Segregation as for the appropriate subdivision of class 2. F WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
Transport in bulk according to Annex I MARPOL73/78 and the IBC Code	I of Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
ADR	
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
IMDG	
Limited quantities (LQ)	
Excepted quantities (EQ)	
Excepted quantities (\widetilde{EQ})	Code: E0 Not permitted as Excepted Quantity

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· 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 (extrem	oly hazardous	substances):
· Section	333 (extrem	uv nazaraous	Substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

108-88-3	toluene
	Acrylic Resin

78-93-3 butanone

1330-20-7 xylene

111-76-2 2-butoxyethanol

100-41-4 ethylbenzene

· TSCA (Toxic Substances Control Act):

6	7-64-1	acetone
U	/-04-1	ace

108-88-3 toluene

141-78-6 ethyl acetate

78-93-3 butanone

123-86-4 n-butyl acetate

16883-83-3 benzyl 3-isobutryloxy-1-isopropyl-2-2-dimethylpropyl phthalate

1330-20-7 xylene

1333-86-4 Carbon black

68611-44-9 Modified Silica

111-76-2 2-butoxyethanol

14808-60-7 Quartz (SiO2)

68911-87-5 montmorilontie clay complex

9002-88-4 Polyethylene low density

100-41-4 ethylbenzene

· Proposition 65

· Chemicals known to cause cancer:

1330-20-7 xylene

1333-86-4 Carbon black

14808-60-7 Quartz (SiO2)

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.

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(Contd. of page 12) · Chemicals known to cause developmental toxicity: 108-88-3 toluene · Cancerogenity categories · EPA (Environmental Protection Agency) 67-64-1 acetone 108-88-3 toluene II 78-93-3 butanone Ι 1330-20-7 xylene 111-76-2 2-butoxyethanol NL100-41-4 ethylbenzene D· TLV (Threshold Limit Value established by ACGIH) 67-64-1 acetone A4108-88-3 toluene A41330-20-7 xylene A41333-86-4 Carbon black *A4* 111-76-2 2-butoxyethanol *A3* 14808-60-7 Quartz (SiO2) A2 100-41-4 ethylbenzene A3· NIOSH-Ca (National Institute for Occupational Safety and Health) 1333-86-4 Carbon black 14808-60-7 Quartz (SiO2)

- · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- · Hazard pictograms







GHS07



GHS02 GHS04

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

toluene

acetone

Quartz (SiO2)

ethyl acetate

· Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

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

H304 May be fatal if swallowed and enters airways.

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· Precautionary s	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	Do not pierce or burn, even after use.	
P260	Do not breathe dust/fume/gas/mist/vapors/spray.	
P264	Wash thoroughly after handling.	
P271	Use only outdoors or in a well-ventilated area.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.	
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+P.	338 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.	
P314	Get medical advice/attention if you feel unwell.	
P321	Specific treatment (see on this label).	
P331	Do NOT induce vomiting.	
P332+P313	If skin irritation occurs: Get medical advice/attention.	
P337+P313	If eye irritation persists: Get medical advice/attention.	
P362+P364	Take off contaminated clothing and wash it 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	

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

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

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

regulations.

· National regulations:

· Additional classification according to Decree on Hazardous Materials:

Carcinogenic hazardous material group III (dangerous).

· Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· 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: Steve Gaver (sgaver@semproducts.com)
- · Date of preparation / last revision 06/28/2017 / 8
- · 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)

 ${\it HMIS: Hazardous\ Materials\ Identification\ System\ (USA)}$

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. Aerosol 1: Aerosols - Category 1

Press. Gas: Gases under pressure - Compressed gas

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

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

Carc. 1A: Carcinogenicity - Category 1A

Repr. 2: Reproductive toxicity – Category 2

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

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

Asp. Tox. 1: Aspiration hazard – Category 1

* * Data compared to the previous version altered.

HSA.