SEI

Printing date 03/14/2018 Reviewed on 06/20/2017

1 Identification

- · Product identifier
- · Trade name: 77743 XXX Gun Cleaner Aerosol
- · Article number: 77743
- · Application of the substance / the mixture Instrument cleaner
- · 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

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

STOT RE 1 H372-H373 Causes damage to organs through prolonged or repeated exposure. May cause

damage to the central nervous system 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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Trade name: 77743 XXX Gun Cleaner Aerosol

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· Hazard pictograms









GHS04 GHS07

· **Signal word** Danger

· Hazard-determining components of labeling:

acetone

Solvent naphtha (petroleum), medium aliph.

toluene

propan-2-ol

· Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H372-H373 Causes damage to organs through prolonged or repeated exposure. May cause damage to the central nervous system 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. Pressurized container: Do not pierce or burn, even after use. P251

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

Wash thoroughly after handling. P264

P270 Do not eat, drink or smoke when using this product. 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.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

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

P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.

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.

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P501

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

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



Health = 2Fire = 4Reactivity = 3

· HMIS-ratings (scale 0 - 4)



Fire = 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

· Dangerous components:		
68476-86-8	Petroleum gases, liquefied, sweetened	13-30%
67-64-1	acetone	13-30%
1330-20-7		13-30%
64742-88-7	Solvent naphtha (petroleum), medium aliph.	≥7-<10%
	2-butoxyethanol	5-7%
108-88-3		5-7%
	propan-2-ol	1.5-5%
123-86-4	n-butyl acetate	1.5-5%

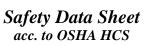
4 First-aid measures

- · 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.

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(Contd. of page 3)

· 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.
- · 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

<i>PAC-1</i> :		
67-64-1	acetone	200 ppn
1330-20-7	xylene	130 ррг
111-76-2	2-butoxyethanol	60 ppm
108-88-3	toluene	67 ppm
67-63-0	propan-2-ol	400 ppr
123-86-4	n-butyl acetate	5 ppm
PAC-2:		
67-64-1	acetone	3200* ppi
1330-20-7	xylene	920* ppm
111-76-2	2-butoxyethanol	120 ppm
108-88-3	toluene	560 ppm
67-63-0	propan-2-ol	2000* ppi
123-86-4	5-4 n-butyl acetate 20	
<i>PAC-3:</i>		
67-64-1	acetone	5700* ppm
1330-20-7	xylene	2500* ppm
111-76-2	2-butoxyethanol	700 ppm
108-88-3	toluene	3700* ppm
67.63.0	propan-2-ol	12000** pp



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 123-86-4
 n-butyl acetate
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 3000* ppm
 3000* 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: 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 other constituents have no known exposure limits.

0/-04	64-1 acetone	
PEL	Long-term value: 2400 mg/m³, 1000 ppm	
REL	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	
1330	0-20-7 xylene	
PEL	Long-term value: 435 mg/m³, 100 ppm	
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm	
TLV	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI	
111-	-76-2 2-butoxyethanol	
PEL	Long-term value: 240 mg/m³, 50 ppm Skin	
REL	Long-term value: 24 mg/m³, 5 ppm Skin	

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		(Contd. of page
TLV	Long-term value: 97 mg/m³, 20 ppm	
100 (BEI	
	88-3 toluene	
PEL	Long-term value: 200 ppm	
	Ceiling limit value: 300; 500* ppm	
DEL	*10-min peak per 8-hr shift	
KEL	Short-term value: 560 mg/m³, 150 ppm	
TO TA	Long-term value: 375 mg/m³, 100 ppm	
ILV	Long-term value: 75 mg/m³, 20 ppm BEI	
(7.0		
	3-0 propan-2-ol	
	Long-term value: 980 mg/m³, 400 ppm	
REL	Short-term value: 1225 mg/m³, 500 ppm	
	Long-term value: 980 mg/m³, 400 ppm	
TLV	Short-term value: 984 mg/m³, 400 ppm	
	Long-term value: 492 mg/m³, 200 ppm	
100 (BEI	
	86-4 n-butyl acetate	
	Long-term value: 710 mg/m³, 150 ppm	
	Long-term value: 950 mg/m³, 200 ppm	
TLV	Short-term value: 712 mg/m³, 150 ppm	
	Long-term value: 238 mg/m³, 50 ppm	
Ingre	edients with biological limit values:	
<i>67-6</i> 4	4-1 acetone	
BEI	50 mg/L	
	Medium: urine	
	Time: end of shift	
	Parameter: Acetone (nonspecific)	
	-20-7 xylene	
	1.5 g/g creatinine	
	Medium: urine	
	Time: end of shift Parameter: Methylhippuric acids	
	* **	
	76-2 2-butoxyethanol	
	200 mg/g creatinine	
	Medium: urine Time: end of shift	
	Parameter: Butoxyacetic acid with hydrolysis	
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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)

67-63-0 propan-2-ol

BEI 40 mg/L

Medium: urine

Time: end of shift at end of workweek

Parameter: Acetone (background, nonspecific)

- · 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	ahamiaal nyanartias
Information on basic physical ana General Information	cnemical properties
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:	240 °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:	1.1 Vol %
Upper:	13 Vol %
· Vapor pressure at 20 °C:	233 hPa
Density at 20 °C:	$0.7268 \ g/cm^3$
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:
 75.25 %

 708.2 g/l / 5.91 lb/gl

 Solids content:
 0.0 %

 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	· LD/LC50 values that are relevant for classification:			
1330-20-7	1330-20-7 xylene			
Oral	LD50	4,300 mg/kg (rat)		
Dermal	<i>LD50</i>	2,000 mg/kg (rabbit)		
64742-88-	7 Solvent n	naphtha (petroleum), medium aliph.		
Oral	LD50	>6,500 mg/kg (rat)		
Dermal	LD50	>3,000 mg/kg (rab)		
Inhalative	LC50/4 h	>14 mg/l (rat)		
108-88-3 t	108-88-3 toluene			
Oral	LD50	5,000 mg/kg (rat)		
Dermal	LD50	12,124 mg/kg (rabbit)		
Inhalative	LC50/4 h	5,320 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

· IARC (International Agency for Research on Cancer)				
1330-20-7		3		
111-76-2	2-butoxyethanol	3		
108-88-3	toluene	3		
67-63-0	propan-2-ol	3		
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· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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

TOTACH	$\alpha vr \tau \tau$	$a + \alpha + m$	attan
Cransp		<i> </i>	
 	0.00	J O 1 110	

		_	
U	V-N	lumber	

· DOT, ADR, IMDG, IATA UN1950

· UN proper shipping name

DOT Aerosols, flammable

ADR 1950 Aerosols

IMDG AEROSOLS

· IATA AEROSOLS, flammable

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(Contd. of page 10) · Transport hazard class(es) $\cdot DOT$ · Class 2.1 · Label 2.1 $\cdot ADR$ · Class 2 5F Gases · Label 2.1 · IMDG, IATA 2.1 · Class · 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. (Contd. on page 12)

on page 12)

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		(Contd. of page 1
· 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)	1L 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

· 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):		
1330-20-7	xylene		
111-76-2	2-butoxyethanol		
108-88-3	toluene		
67-63-0	propan-2-ol		
· TSCA (Tox	ic Substances Control Act):		
67-64-1	acetone		
1330-20-7	xylene		
64742-88-7	Solvent naphtha (petroleum), medium aliph.		
	2-butoxyethanol		
108-88-3	toluene		
	propan-2-ol		
123-86-4	n-butyl acetate		
· TSCA new	(21st Century Act) (Substances not listed)		
68476-86-8	Petroleum gases, liquefied, sweetened		
TD 1.1			

- · Proposition 65
- · Chemicals known to cause cancer:

1330-20-7 xylene

· 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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Trade name: 77743 XXX Gun Cleaner Aerosol

(Contd. of page 12) · Chemicals known to cause developmental toxicity: 108-88-3 toluene · Cancerogenity categories · EPA (Environmental Protection Agency) 67-64-1 acetone 1330-20-7 xylene I 111-76-2 2-butoxyethanol NL108-88-3 toluene II · TLV (Threshold Limit Value established by ACGIH) 67-64-1 acetone A41330-20-7 xylene *A4* 111-76-2 2-butoxyethanol *A3* 108-88-3 toluene A467-63-0 propan-2-ol *A4* · 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

GHS04

GHS07

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

Solvent naphtha (petroleum), medium aliph.

toluene

propan-2-ol

· Hazard statements

H222 Extremely flammable aerosol.

Contains gas under pressure; may explode if heated. H280

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H372-H373 Causes damage to organs through prolonged or repeated exposure. May cause damage to the central nervous system 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.

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

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

P264 Wash thoroughly after handling.

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(Contd. of page 13) P270 Do not eat, drink or smoke when using this product. 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. P321 *Specific treatment (see on this label).* Do NOT induce vomiting. P331 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. IF exposed or concerned: Get medical advice/attention. P308+P313 P312 *Call a poison center/doctor if you feel unwell.* P314 Get medical advice/attention if you feel unwell. P362+P364 Take off contaminated clothing and wash it before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 *If eye irritation persists: Get medical advice/attention.* 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.

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

regulations.

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: Rita Joiner (rjoiner@semproducts.com)
- · Date of preparation / last revision 03/14/2018 / 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

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

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[·] Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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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

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1 Asp. Tox. 1: Aspiration hazard – Category 1

· * Data compared to the previous version altered.