

1 Identification

· Product identifier

· Trade name: 49143 Trim Black Ultra Satin

· Article number: 49143

- · Application of the substance / the mixture Coating
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier: SEM Products Inc.

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. 2 H351 Suspected of causing 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.



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). (Contd. on page 2)

IISA



(Contd. of page 1)

· Hazard pictograms









GHS02

GHS04

GHS07

311502 311501

· Signal word Danger

· Hazard-determining components of labeling:

acetone

toluene

butanone

n-butyl 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.

H351 Suspected of causing 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.

· 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.

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

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).

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.

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

regulations.

(Contd. on page 3)



Trade name: 49143 Trim Black Ultra Satin

(Contd. of page 2)

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



Health = 2Fire = 4Reactivity = 3

· HMIS-ratings (scale 0 - 4)



Fire = 4

REACTIVITY 3 Reactivity = 3

- · 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	· Dangerous components:		
67-64-1	acetone	30-40%	
68476-86-8	Petroleum gases, liquefied, sweetened	13-30%	
108-88-3		≥7-<10%	
	ethyl 3-ethoxypropionate	1.5-5%	
110-19-0	isobutyl acetate	1.5-5%	
78-93-3	butanone	1.5-5%	
123-86-4	n-butyl acetate	1.5-5%	
108-65-6	2-methoxy-1-methylethyl acetate	1.5-5%	
100-41-4	ethylbenzene	<i>≥</i> 0.1- <i>≤</i> 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.

(Contd. on page 4)



Trade name: 49143 Trim Black Ultra Satin

(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

67-64-1	acetone	200 ppm
108-88-3	toluene	67 ppm
763-69-9	ethyl 3-ethoxypropionate	1.6 ppm
110-19-0	isobutyl acetate	450 ppm
78-93-3	butanone	200 ppm
123-86-4	n-butyl acetate	5 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
1333-86-4	Carbon black	9 mg/m³
1330-20-7	xylene	130 ppm
100-41-4	ethylbenzene	33 ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	18 mg/m
71-36-3	butan-1-ol	60 ppm
67-56-1	methanol	530 ppm
95-63-6	1,2,4-trimethylbenzene	140 ppm
78-83-1	butanol	150 ppm
57-55-6	Methyl glycol	30 mg/m
PAC-2:		·
67-64-1	acetone	3200* ppm
108-88-3	toluene	560 ppm



Trade name: 49143 Trim Black Ultra Satin

763-69-9	ethyl 3-ethoxypropionate	(Contd. of pa
	isobutyl acetate	1300* pp.
	butanone	2700* pp
	n-butyl acetate	200 ppm
	2-methoxy-1-methylethyl acetate	1,000 ppn
	Carbon black	99 mg/m ³
1330-20-7		920* ppm
	ethylbenzene	1100* pp
	precipitated Silica (Silica-Amorphous)	200 mg/m
	butan-1-ol	800 ppm
67-56-1	methanol	2,100 ppm
95-63-6	1,2,4-trimethylbenzene	360 ppm
78-83-1		1,300 ppn
57-55-6	Methyl glycol	1,300 mg/
· PAC-3:	7 0 7	, 0
67-64-1	acetone	5700* pp.
108-88-3		3700* pp.
	ethyl 3-ethoxypropionate	110 ppm
	isobutyl acetate	7500** p
	butanone	4000* pp
123-86-4	n-butyl acetate	3000* pp
	2-methoxy-1-methylethyl acetate	5000* pps
	Carbon black	590 mg/m
1330-20-7		2500* pp
	ethylbenzene	1800* pp
	precipitated Silica (Silica-Amorphous)	1,200 mg/
	butan-1-ol	8000** p
67-56-1	methanol	7200* pp
95-63-6	1,2,4-trimethylbenzene	480 ppm
78-83-1	•	8000* pp
57 55 6	Methyl glycol	7,900 mg/

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.

(Contd. on page 6)



Trade name: 49143 Trim Black Ultra Satin

(Contd. of page 5)

- · 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.

USA



Trade name: 49143 Trim Black Ultra Satin

REL Long-term value: 950 mg/m³, 200 ppm TLV Short-term value: 212 mg/m³, 50 ppm Long-term value: 238 mg/m³, 50 ppm 108-65-62-methoxy-1-methylethyl acetate WEEL Long-term value: 435 mg/m³, 100 ppm TU-41-ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm TLV Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 435 mg/m³, 20 ppm BEI Short-term value: 435 mg/m³, 20 ppm BEI So 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) 78-93-3 butanone BEI 2 mg/L Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background) 109-11-4 ethylbenzene BEI 0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)	TLV Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm Long-term value: 238 mg/m³, 50 ppm 100-41-4 ethylbenzene PEL Long-term value: 435 mg/m³, 100 ppm REL Short-term value: 435 mg/m³, 100 ppm TLV Long-term value: 435 mg/m³, 100 ppm Long-term value: 435 mg/m³, 100 ppm TLV Long-term value: 87 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/L Medium: urine Time: end of shift Parameter: Toluene 0.3 mg/L Medium: urine Time: end of shift Parameter: Toluene 0.3 mg/L Medium: urine Time: end of shift Parameter: New toluene 0.5 mg/L Medium: urine Time: end of shift Parameter: McMillen: urine Time: end of shift Parameter: Urine: end of shift Urine: Urine: Urine: end of shift Urine: U			(Contd. of page
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Parameter: Ethyl benzene (semi-quantitative)				
	(Contd. on page	Pc	arameter: Ethyl benzene (semi-quantitative)	



Trade name: 49143 Trim Black Ultra Satin

(Contd. of page 7)

- · 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.

· 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: Black
Change

· 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

(Contd. on page 9)



	(Contd. of page
Flash point:	-103 °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:	1.9 Vol %
Upper:	13 Vol %
Vapor pressure at 20 °C:	233 hPa
Density at 20 °C:	$0.72048 \ g/cm^3$
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	r): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	93.2 %
Water:	0.0 %
VOC content:	58.20 %
	615.9 g/l / 5.14 lb/gl
Solids content:	6.7 %
Other information	No further relevant information available.

10 Stability and reactivity

- $\cdot \textit{Reactivity} \ \textit{No further relevant information available}.$
- · 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.

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(Contd. on page 10)



Trade name: 49143 Trim Black Ultra Satin

(Contd. of page 9)

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50	· LD/LC50 values that are relevant for classification:		
108-88-3 to	108-88-3 toluene		
Oral	LD50	5,000 mg/kg (rat)	
Dermal	<i>LD50</i>	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 (Inte	ernational Agency for Research on Cancer)	
108-88-3	toluene	3
1333-86-4	Carbon black	2B
1330-20-7	xylene	3
100-41-4	ethylbenzene	2B
· NTP (Natio	onal Toxicology Program)	
None of the	e 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:

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.

USA



(Contd. of page 10)

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.

Transport information	
· UN-Number · DOT, ADR, IMDG, IATA	UN1950
· UN proper shipping name	
$\cdot DOT$	Aerosols, flammable
· ADR	1950 Aerosols
· IMDG	AEROSOLS (I
· IATA	AEROSOLS, flammable
· Transport hazard class(es)	
· DOT	
FLUMISE DO	
2	
· Class	2.1
· Class · Label	2.1
	2.1
· ADR	
· Class	2 5F Gases
· Label	2.1
· IMDG, IATA	
A	
· Class	2.1
· Label	2.1
· Packing group	
· DOT, ADR, ÎMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Gases



Trade name: 49143 Trim Black Ultra Satin

	(Contd. of page 1
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 livin quarters.
Segregation Code	\$G69 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. Fo
	WASTE AEROSOLS: Segregation as for the appropriate subdivision
	of class 2.
Transport in bulk according to Annex II	I 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
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

- $\cdot \textit{Safety, health and environmental regulations/legislation specific for the substance or \textit{mixture}}$
- · Sara

· Section 35.	· Section 355 (extremely hazardous substances):	
None of the	e ingredient is listed.	
· Section 31.	3 (Specific toxic chemical listings):	
108-88-3	toluene	
78-93-3	butanone	
	Acrylic Resin	
1330-20-7		
100-41-4	ethylbenzene	
71-36-3	butan-1-ol	

95-63-6 1,2,4-trimethylbenzene

67-56-1 methanol

• TSCA (Toxic Substances Control Act): 67-64-1 acetone

(Contd. on page 13)



Trade name: 49143 Trim Black Ultra Satin

		td. of page
108-88-3		
763-69-9	ethyl 3-ethoxypropionate	
110-19-0	isobutyl acetate	
78-93 <i>-</i> 3	butanone	
123-86-4	n-butyl acetate	
108-65-6	2-methoxy-1-methylethyl acetate	
1333-86-4	Carbon black	
16883-83-3	benzyl 3-isobutryloxy-1-isopropyl-2-2-dimethylpropyl phthalate	
1330-20-7	xylene	
100-41-4	ethylbenzene	
71-36-3	butan-1-ol	
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	
68911-87-5	montmorilontie clay complex	
9038-95-3	OXIRANE, ME, POLYMER	
67-56-1	methanol	
95-63-6	1,2,4-trimethylbenzene	
78-83-1	butanol	
57-55-6	Methyl glycol	
7732-18-5	water	
· TSCA new	(21st Century Act) (Substances not listed)	
68476-86-8	Petroleum gases, liquefied, sweetened	
· Proposition	65	
· Chemicals	known to cause cancer:	
1333-86-4	Carbon black	
1330-20-7	xylene	
100-41-4	ethylbenzene	
95-63-6	1,2,4-trimethylbenzene	
· Chemicals	known to cause reproductive toxicity for females:	
None of the	ingredients is listed.	
· Chemicals i	known to cause reproductive toxicity for males:	
None of the	ingredients is listed.	
· Chemicals	known to cause developmental toxicity:	
108-88-3 to	oluene	
67-56-1 n	nethanol	
	nity categories	
	ronmental Protection Agency)	
67-64-1		-
108-88-3		
	butanone	
1330-20-7		
100 41 4	ethylbenzene	



		(Contd. of page 13)			
71-36-3	butan-1-ol	D			
95-63-6	1,2,4-trimethylbenzene	II			
· TLV (Threshold Limit Value established by ACGIH)					
67-64-1	acetone	A4			
108-88-3	toluene	A4			
1333-86-4	Carbon black	A4			
1330-20-7	xylene	A4			
100-41-4	ethylbenzene	A3			
· NIOSH-Ca (National Institute for Occupational Safety and Health)					
1333-86-4	Carbon black				
67-56-1	methanol				

- · 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

toluene

butanone

n-butyl 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.
- H351 Suspected of causing 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.
- · 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.

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

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.

(Contd. on page 15)



(Contd. of page 14) 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. 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 Store locked up. P405 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. · 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: Rita Joiner
- · Date of preparation / last revision 03/14/2018 / 13
- · 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) 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. 2: Carcinogenicity – Category 2

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

* Data compared to the previous version altered.

USA