Printing date 03/14/2018 Reviewed on 06/21/2017

1 Identification

· Product identifier

· Trade name: 39023 - 39583 TPO-Direct Bumper Coaters

· Article number:

39153, 39253, 39263, 39273, 39163, 39173, 39183, 39193, 39283, 39293, 39413, 39423, 39443, 39583, 39023, 39073, 39083, 39103

- · 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

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

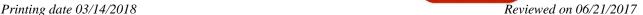
Skin Irrit. 2 H315 Causes skin irritation.

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)

- USA



Trade name: 39023 - 39583 TPO-Direct Bumper Coaters

(Contd. of page 1)

· Hazard pictograms









GHS04 GHS07

· **Signal word** Danger

· Hazard-determining components of labeling:

toluene

cyclohexane

Stoddard solvent

Solvent naphtha (petroleum), light arom.

· Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

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.

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.

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

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.

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.

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.

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

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 1Fire = 4

Reactivity = 3

(Contd. on page 3)

(Contd. of page 2)

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Trade name: 39023 - 39583 TPO-Direct Bumper Coaters

· HMIS-ratings (scale 0 - 4)

HEALTH 1 Health = IFIRE 4 Fire = 4REACTIVITY 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 components:		
115-10-6	dimethyl ether	40-60%
108-88-3	toluene	13-30%
110-19-0	isobutyl acetate	13-30%
110-82-7	cyclohexane	1.5-5%
108-83-8	2,6-dimethylheptan-4-one	1-1.5%

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.
- · After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- $\cdot \textit{Indication of any immediate medical attention and special treatment needed}$

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.

IISA -



Trade name: 39023 - 39583 TPO-Direct Bumper Coaters

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6 Accidental release measures

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- · 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

115-10-6 dimethyl ether	3,000 ррг
108-88-3 toluene	67 ppm
110-19-0 isobutyl acetate	450 ppm
110-82-7 cyclohexane	300 ppm
108-83-8 2,6-dimethylheptan-4-one	75 ppm
1333-86-4 Carbon black	$9 mg/m^3$
13463-67-7 titanium dioxide	30 mg/m ³
112926-00-8 precipitated Silica (Silica-Amorphous)	18 mg/m ³
1330-20-7 xylene	130 ppm
78-93-3 butanone	200 ppm
67-63-0 propan-2-ol	400 ppm
108-65-6 2-methoxy-1-methylethyl acetate	50 ppm
2807-30-9 2-(propyloxy)ethanol	2.2 ppm
100-41-4 ethylbenzene	33 ppm
25068-38-6 bisphenolA(chloro)oxirane polymer	90 mg/m ²
67-56-1 methanol	530 ppm
78-83-1 butanol	150 ppm
57-55-6 Methyl glycol	30 mg/m ³
PAC-2:	·
115-10-6 dimethyl ether	3800* ppm
108-88-3 toluene	560 ppm
110-19-0 isobutyl acetate	1300* ppm
110-82-7 cyclohexane	1700* ppm
108-83-8 2,6-dimethylheptan-4-one	330 ррт
1333-86-4 Carbon black	99 mg/m³
13463-67-7 titanium dioxide	330 mg/m^3
112926-00-8 precipitated Silica (Silica-Amorphous)	200 mg/m^3
1330-20-7 xylene	920* ppm
78-93-3 butanone	2700* ppm
67-63-0 propan-2-ol	2000* ppm

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100.65.5		(Contd. of page
	2-methoxy-1-methylethyl acetate	1,000 ppm
	2-(propyloxy)ethanol	24 ppm
100-41-4	ethylbenzene	1100* ppm
25068-38-6	bisphenolA(chloro)oxirane polymer	990 mg/m³
67-56-1	methanol	2,100 ppm
78-83-1	butanol	1,300 ppm
57-55-6	Methyl glycol	1,300 mg/m
<i>PAC-3:</i>		
115-10-6	dimethyl ether	7200* ppm
108-88-3	toluene	3700* ppm
110-19-0	isobutyl acetate	7500** ppm
110-82-7	cyclohexane	10000** ppn
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
1333-86-4	Carbon black	590 mg/m^3
13463-67-7	titanium dioxide	$2,000 \ mg/m^3$
112926-00-8	precipitated Silica (Silica-Amorphous)	$1,200 \ mg/m^3$
1330-20-7	xylene	2500* ppm
78-93-3	butanone	4000* ppm
67-63-0	propan-2-ol	12000** ppn
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
2807-30-9	2-(propyloxy)ethanol	140 ppm
100-41-4	ethylbenzene	1800* ppm
25068-38-6	bisphenolA(chloro)oxirane polymer	$5,900 \text{ mg/m}^3$
67-56-1	methanol	7200* ppm
78-83-1	butanol	8000* ppm
57-55-6	Methyl glycol	$7,900 \text{ mg/m}^3$

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.

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Time: end of shift

Parameter: o-Cresol with hydrolysis (background)

 \cdot *Specific end use*(s) *No further relevant information available.*

(Contd. of page 5)

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: 115-10-6 dimethyl ether WEEL Long-term value: 1000 ppm 108-88-3 toluene Long-term value: 200 ppm PELCeiling limit value: 300; 500* ppm *10-min peak per 8-hr shift Short-term value: 560 mg/m³, 150 ppm RELLong-term value: 375 mg/m³, 100 ppm TLVLong-term value: 75 mg/m³, 20 ppm 110-19-0 isobutyl acetate Long-term value: 700 mg/m³, 150 ppm PELREL Long-term value: 700 mg/m³, 150 ppm TLVShort-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm 110-82-7 cyclohexane PELLong-term value: 1050 mg/m³, 300 ppm RELLong-term value: 1050 mg/m³, 300 ppm TLVLong-term value: 344 mg/m³, 100 ppm 108-83-8 2,6-dimethylheptan-4-one PELLong-term value: 290 mg/m³, 50 ppm RELLong-term value: 150 mg/m³, 25 ppm TLVLong-term value: 145 mg/m³, 25 ppm · Ingredients with biological limit values: 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

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- · 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 skin.

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:



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: According to product specification

Odor: CharacteristicOdor threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: -24 °C

· Flash point: $-42 \, ^{\circ}C$

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	(Contd. of page
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	235 °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:	18.6 Vol %
Vapor pressure at 20 °C:	5,200 hPa
Density at 20 °C:	$0.78383 \ g/cm^3$
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/wa	t ter): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	89.8 %
Water:	0.0 %
VOC content:	89.83 %
	704.1 g/l / 5.88 lb/gl
Solids content:	8.6 %
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.

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Trade name: 39023 - 39583 TPO-Direct Bumper Coaters

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11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50 values that are relevant for classification:		
108-88-3 toluene		
Oral	LD50	5,000 mg/kg (rat) 12,124 mg/kg (rabbit)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	5,320 mg/l (mouse)
110-82-7 cyclohexane		
Oral	LD50	12,705 mg/kg (rat)

- · Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- · on the eye: No 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)		
108-88-3	toluene	3
1333-86-4	Carbon black	2B
13463-67-7	titanium dioxide	2B
1330-20-7	xylene	3
	propan-2-ol	3
100-41-4	ethylbenzene	2B
14807-96-6	Talc	3
NUTD (N	Im · I D	

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

68911-87-5 montmorilontie clay complex

12 Ecological information

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

Water hazard class 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.

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

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

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

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

14 Transport information	
· UN-Number	
· DOT, ADR, IMDG, IATA	UN1950
· UN proper shipping name	
$\cdot DOT$	Aerosols, flammable
$\cdot ADR$	1950 Aerosols
· IMDG	AEROSOLS
· IATA	AEROSOLS, flammable
· Transport hazard class(es)	
$\cdot DOT$	
I JAMANI CAS	
· Class	2.1
· Class · Label	2. <i>I</i> 2. <i>I</i>
	2.1
$\cdot ADR$	
2	
· Class	2 5F Gases
· Label	2.1 Gases
· IMDG, IATA	
· IMDG, IATA	
· Class	2.1
· Label	2.1

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	(Contd. of page 1
Packing group DOT, ADR, IMDG, IATA	Void
Environmental hazards:	Not applicable.
Special precautions for user EMS Number:	Warning: Gases F-D,S-U
Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litro Category A. For AEROSOLS with a capacity above 1 litro Category B. For WASTE AEROSOLS: Category C, Clear of livin quarters.
Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litro Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litro 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 MARPOL73/78 and the IBC Code	II 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)	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
- · Sara

· Section 355 (extremely hazardous substances):	
None of the ingredient is listed.	

· Section 313 (Specific toxic chemical listings):

seemen ele (speegle teme mem.gs).		
108-88-3		
	cyclohexane	
7429-90-5	aluminium	
	Acrylic Resin	
1330-20-7	xylene	

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	(Contd. of page 11)
78-93-3	butanone
67-63-0	propan-2-ol
	ethylbenzene
67-56-1	methanol
14807-96-6	Talc
· TSCA (Tox	ic Substances Control Act):
115-10-6	dimethyl ether
108-88-3	toluene
110-19-0	isobutyl acetate
110-82-7	cyclohexane
108-83-8	2,6-dimethylheptan-4-one
1333-86-4	Carbon black
7429-90-5	aluminium
19549-80-5	4,6-dimethylheptan-2-one
13463-67-7	titanium dioxide
51274-00-1	YELLOW IRON OXIDE
1330-20-7	xylene
78-93-3	butanone
67-63-0	propan-2-ol
1332-37-2	Iron oxide
108-65-6	2-methoxy-1-methylethyl acetate
2807-30-9	2-(propyloxy)ethanol
100-41-4	ethylbenzene
25068-38-6	bisphenolA(chloro)oxirane polymer
67-56-1	methanol
68911-87-5	montmorilontie clay complex
61791-55-7	Amines, N-tallow alkyltrimethylenedi-
14807-96-6	Talc
78-83-1	butanol
57-55-6	Methyl glycol
7732-18-5	water
· Proposition	65
· Chemicals I	known to cause cancer:
1333-86-4	Carbon black
13463-67-7	titanium dioxide
1330-20-7	•
100-41-4	ethylbenzene
25068-38-6	bisphenolA(chloro)oxirane polymer
	known to cause reproductive toxicity for females:
None of the	ingredients is listed.
	(Contd. on page 13)

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(Contd. of page 12) · Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed. · Chemicals known to cause developmental toxicity: 108-88-3 toluene 67-56-1 methanol · Cancerogenity categories · EPA (Environmental Protection Agency) 108-88-3 toluene II110-82-7 cyclohexane 1330-20-7 xylene Ι 78-93-3 butanone 100-41-4 ethylbenzene D· TLV (Threshold Limit Value established by ACGIH) 108-88-3 toluene *A4* A41333-86-4 Carbon black 7429-90-5 aluminium A413463-67-7 titanium dioxide A41330-20-7 xylene *A4* 67-63-0 propan-2-ol *A4* 100-41-4 ethylbenzene *A3* 14807-96-6 Talc A4· NIOSH-Ca (National Institute for Occupational Safety and Health) 1333-86-4 Carbon black 13463-67-7 titanium dioxide 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:

toluene

cyclohexane

Stoddard solvent

Solvent naphtha (petroleum), light arom.

· Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

(Contd. on page 14)



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(Contd. of page 13)

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

H304 May be fatal if swallowed and enters airways.

· Precautionary statements

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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.

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.

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.

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

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 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 (rjoiner@semproducts.com)
- · Date of preparation / last revision 03/14/2018 / 4
- · Abbreviations and acronyms:

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

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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

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.