heet CS

Printing date 03/14/2018 Reviewed on 06/28/2017

1 Identification

· Product identifier

· Trade name: 62233 EZCoat Light Green

· Article number: 62233

· 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.

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)

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· Hazard pictograms









GHS04 GHS07

· Signal word Danger

· Hazard-determining components of labeling:

toluene

acetone

Naphtha (petroleum), hydrodesulfurized heavy

butanone

· 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.

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

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

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.

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.

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

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

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)



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



Health = 2 Fire = 4 Reactivity = 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

· Dangerous components:		
67-64-1	acetone	30-40%
68476-86-8	Petroleum gases, liquefied, sweetened	13-30%
108-88-3	toluene	10-13%
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	5-7%
78-93-3	butanone	1.5-5%
	isobutyl acetate	1.5-5%
763-69-9	ethyl 3-ethoxypropionate	1-1.5%
108-65-6	2-methoxy-1-methylethyl acetate	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. 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.

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(Contd. of page 3)

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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: Wear self-contained respiratory protective device.

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 ppn
108-88-3	toluene	67 ppm
78-93-3	butanone	200 ppn
110-19-0	isobutyl acetate	450 ppn
13463-67-7	titanium dioxide	30 mg/n
763-69-9	ethyl 3-ethoxypropionate	1.6 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
2807-30-9	2-(propyloxy)ethanol	2.2 ppm
1330-20-7	xylene	130 ppr
112926-00-8	precipitated Silica (Silica-Amorphous)	18 mg/r
1333-86-4	Carbon black	9 mg/m
100-41-4	ethylbenzene	33 ppm
67-56-1	methanol	530 ppr
95-63-6	1,2,4-trimethylbenzene	140 ррг
14302-13-7	PHTHALO GREEN PIGMENT	12 mg/r
70657-70-4	2-methoxypropyl acetate	50 ppm
7631-86-9	silicon dioxide, chemically prepared	18 mg/r
78-83-1	butanol	150 ррг
57-55-6	Methyl glycol	30 mg/n
PAC-2:		
67-64-1	acetone	3200* ppm
108-88-3	toluene	560 ррт

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		(Contd. of page 4)
78-93-3	butanone	2700* ppm
110-19-0	isobutyl acetate	1300* ppm
13463-67-7	titanium dioxide	330 mg/m^3
763-69-9	ethyl 3-ethoxypropionate	18 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
2807-30-9	2-(propyloxy)ethanol	24 ppm
1330-20-7	xylene	920* ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	$200 \ mg/m^3$
1333-86-4	Carbon black	99 mg/m³
100-41-4	ethylbenzene	1100* ppm
67-56-1	methanol	2,100 ppm
95-63-6	1,2,4-trimethylbenzene	360 ppm
14302-13-7	PHTHALO GREEN PIGMENT	130 mg/m^3
70657-70-4	2-methoxypropyl acetate	1,000 ppm
7631-86-9	silicon dioxide, chemically prepared	$740 mg/m^3$
78-83-1	butanol	1,300 ppm
57-55-6	Methyl glycol	$1,300 \text{ mg/m}^3$
· PAC-3:		'
67-64-1	acetone	5700* ppm
108-88-3	toluene	3700* ppm
78-93-3	butanone	4000* ppm
110-19-0	isobutyl acetate	7500** ppm
13463-67-7	titanium dioxide	$2,000 \text{ mg/m}^3$
763-69-9	ethyl 3-ethoxypropionate	110 ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
2807-30-9	2-(propyloxy)ethanol	140 ppm
1330-20-7	xylene	2500* ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	$1,200 \text{ mg/m}^3$
1333-86-4	Carbon black	590 mg/m³
100-41-4	ethylbenzene	1800* ppm
67-56-1	methanol	7200* ppm
95-63-6	1,2,4-trimethylbenzene	480 ppm
14302-13-7	PHTHALO GREEN PIGMENT	790 mg/m³
70657-70-4	2-methoxypropyl acetate	5,000 ppm
7631-86-9	silicon dioxide, chemically prepared	$4,500 \text{ mg/m}^3$
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.

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· 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: Store away from oxidizing agents.
- · 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.

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	
108-8	3-3 toluene	
PEL	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	
78-93	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	
110-1	9-0 isobutyl acetate	
PEL	Long-term value: 700 mg/m³, 150 ppm	
REL	Long-term value: 700 mg/m³, 150 ppm	

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(Contd. of page 6) Short-term value: 712 mg/m³, 150 ppm TLVLong-term value: 238 mg/m³, 50 ppm 108-65-6 2-methoxy-1-methylethyl acetate WEEL Long-term value: 50 ppm · 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/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 (Contd. on page 8)

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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

· Density at 20 °C:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties · General Information		
· Appearance: Form:	Aerosol	
rorm: Color:		
201011	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:	55.8-56.6 °C	
· Flash point:	-103 °C	
· Flammability (solid, gaseous):	Not applicable.	
· Ignition temperature:	465 °C	
· Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	In use, may form flammable/explosive vapour-air mixture. Avoid high heat	
· Explosion limits:		
Lower:	1.2 Vol %	
Upper:	13 Vol %	
· Vapor pressure at 20 °C:	233 hPa	

0.7621 g/cm³

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		(Contd. of page
· 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:	89.2 %	
Water:	0.0 %	
VOC content:	45.72 %	
	576.7 g/l / 4.81 lb/gl	
Solids content:	10.7 %	
· 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:

Nitrogen oxides

Hydrocarbons

Carbon monoxide and carbon dioxide

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)
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:

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Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)		
108-88-3	toluene	3
13463-67-7	titanium dioxide	2B
1330-20-7	xylene	3
	BENTONITE	suspected carcinogen <2% 14808-60-7
1333-86-4	Carbon black	2B
100-41-4	ethylbenzene	2B
7631-86-9	silicon dioxide, chemically prepared	3

· 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 3 (Self-assessment): extremely hazardous for water

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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UN-Number	
DOT, ADR, IMDG, IATA	UN1950
· UN proper shipping name	
DOT	Aerosols, flammable
ADR	1950 Aerosols
IMDG	AEROSOLS
IATA	AEROSOLS, flammable
Transport hazard class(es)	
DOT	
PARAMETERS DEL	
Class	2.1
Label	2.1
ADR	
**	
Class	2 5F Gases
Label	2.1
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	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 livin
Segregation Code	quarters. SG69 For AEROSOLS with a maximum capacity of 1 litr Segregation as for class 9. Stow "separated from" class 1 except f division 1.4. For AEROSOLS with a capacity above 1 litr Segregation as for the appropriate subdivision of class 2. For

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(Contd. of page 11) of class 2. · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information: $\cdot DOT$ · Quantity limitations On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg $\cdot ADR$ · Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity · IMDG · Limited quantities (LQ) 1LCode: E0 · Excepted quantities (EQ) 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

None of the ingredient is listed.
· Section 313 (Specific toxic chemical listings):

· Section 355 (extremely hazardous substances):

108-88-3	toluene
	Acrylic Resin
	butanone
1330-20-7	xylene
100-41-4	ethylbenzene
67-56-1	methanol
95-63-6	1,2,4-trimethylbenzene

· TSCA (Toxic Substances Control	l Act):	•
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15011 (10%	Substances Com of 1207.
67-64-1	acetone
108-88-3	toluene
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
78-93-3	butanone
110-19-0	isobutyl acetate
13463-67-7	titanium dioxide
763-69-9	ethyl 3-ethoxypropionate
108-65-6	2-methoxy-1-methylethyl acetate
16883-83-3	benzyl 3-isobutryloxy-1-isopropyl-2-2-dimethylpropyl phthalate
2807-30-9	2-(propyloxy)ethanol
51274-00-1	YELLOW IRON OXIDE
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1330-20-7 xy	lene	(Contd. of page
1333-86-4 C		
	aphtha (petroleum), hydrodesulfurized heavy	
	ontmorilontie clay complex	
100-41-4 et	·	
	nines, N-tallow alkyltrimethylenedi-	
67-56-1 m	· · · · · · · · · · · · · · · · · · ·	
	2,4-trimethylbenzene	
· ·	HTHALO GREEN PIGMENT	
	licon dioxide, chemically prepared	
78-83-1 bi	<u> </u>	
	ethyl glycol	
7732-18-5 w		
	st Century Act) (Substances not listed)	
	etroleum gases, liquefied, sweetened	
Proposition 65		
-	own to cause cancer:	
13463-67-7 tii		
1330-20-7 xy		
1333-86-4 C		
100-41-4 et		
	2,4-trimethylbenzene	
	·	
	wn to cause reproductive toxicity for females: redients is listed.	
	wn to cause reproductive toxicity for males:	
	redients is listed.	
	wn to cause developmental toxicity:	
108-88-3 tolu		
67-56-1 meth		
Cancerogenity		
	mental Protection Agency)	
67-64-1 ace		
108-88-3 toli		
78-93-3 but		
1330-20-7 xyl		
100-41-4 eth		
95-63-6 1,2	4-trimethylbenzene	
,	ld Limit Value established by ACGIH)	
67-64-1 a	retone	
108-88-3 to	luene	,
13463-67-7 tii	anium dioxide	
1330-20-7 xy	lene	1

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		(Contd. of page 13)
1333-86-4	Carbon black	A4
100-41-4	ethylbenzene	A3
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	
13463-67-7	titanium dioxide	
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

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

toluene

acetone

Naphtha (petroleum), hydrodesulfurized heavy

butanone

P314 P362+P364

· 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.

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

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

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.
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+P33	8 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.

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P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P402+P323 Store in a well worthful along Keep containing tightle.

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.

· 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 / 17
- · 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

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.