SEM

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

1 Identification

- · Product identifier
- · Trade name: HR014-LV Hot Rod Black
- · Article number: HR014-LV
- · 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 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

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





GHS02

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

4-chloro-alpha, alpha, alpha-trifluorotoluene acetone

n-butyl acetate

precipitated Silica (Silica-Amorphous)

bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate

Methyl (1,2,2,6,6,- pentamethyl-4-piperidinyl) sebacate

(Contd. on page 2)

acc. to OSHA HCS



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

Trade name: HR014-LV Hot Rod Black

(Contd. of page 1)

· Hazard statements

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P240 *Ground/bond container and receiving equipment.*

P241 *Use explosion-proof electrical/ventilating/lighting/equipment.*

P242 *Use only non-sparking tools.*

Take precautionary measures against static discharge. P243 Avoid breathing dust/fume/gas/mist/vapors/spray P261

Wash thoroughly after handling. P264

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

P272 Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. P280

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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.

Call a poison center/doctor if you feel unwell. P312

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse. *If skin irritation or rash occurs: Get medical advice/attention.* P333+P313

P337+P313 *If eye irritation persists: Get medical advice/attention.*

Wash contaminated clothing before reuse. P363

In case of fire: Use for extinction: CO2, powder or water spray. P370+P378 Store in a well-ventilated place. Keep container tightly closed. P403+P233

Store in a well-ventilated place. Keep cool. P403+P235

P405 Store locked up.

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

regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2Fire = 3Reactivity = 0

· HMIS-ratings (scale 0 - 4)



- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · vPvB: Not applicable.



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

Trade name: HR014-LV Hot Rod Black

(Contd. of page 2)

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description:

Mixture: consisting of the following components.

Weight percentages

· Dangerous components:		
98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene		13-30%
67-64-1	acetone	13-30%
123-86-4	n-butyl acetate	≥7-<10%
112926-00-8	precipitated Silica (Silica-Amorphous)	5-7%
110-43-0	heptan-2-one	5-7%
108-83-8	2,6-dimethylheptan-4-one	1.5-5%
19549-80-5	4,6-dimethylheptan-2-one	1.5-5%
1330-20-7	xylene	1.5-5%
14807-96-6	Talc	1.5-5%
1333-86-4	Carbon black	1-1.5%
	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate	≥0.1-<1%
82919-37-7	Methyl (1,2,2,6,6,- pentamethyl-4-piperidinyl) sebacate	≥0.1-<1%

4 First-aid measures

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

Supply fresh air and to be sure call for a doctor.

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.

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.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

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

Trade name: HR014-LV Hot Rod Black

(Contd. of page 3)

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:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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 20		
123-86-4 n-butyl acetate		5 ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	18 mg/m
110-43-0	heptan-2-one	150 ppm
108-83-8	2,6-dimethylheptan-4-one	75 ppm
1330-20-7	xylene	130 ppm
1333-86-4	Carbon black	9 mg/m³
9002-88-4	Polyethylene low density	16 mg/m
25322-68-3	Polyethylene glycol	30 mg/m
78-83-1	butanol	150 ppm
100-41-4	ethylbenzene	33 ppm
PAC-2:		
67-64-1	acetone	3200* ppm
123-86-4	n-butyl acetate	200 ррт
112926-00-8	precipitated Silica (Silica-Amorphous)	200 mg/m³
110-43-0	heptan-2-one	670 ppm
108-83-8	2,6-dimethylheptan-4-one	330 ppm
1330-20-7	xylene	920* ppm
1333-86-4	1333-86-4 Carbon black 9002-88-4 Polyethylene low density	
9002-88-4		
25322-68-3	Polyethylene glycol	1,300 mg/m
, , e,		1,300 ppm
100-41-4	ethylbenzene	1100* ppm
PAC-3:		·
67-64-1	acetone	5700* ppm
123-86-4	n-butyl acetate	3000* ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	1,200 mg/m
110-43-0	heptan-2-one	4000* ppm
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
1330-20-7	1	2500* ppm



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

Trade name: HR014-LV Hot Rod Black

			(Contd. of page 4)
		Carbon black	590 mg/m³
90	002-88-4	Polyethylene low density	$1,000 \text{ mg/m}^3$
253	22-68-3	Polyethylene glycol	$7,700 \text{ mg/m}^3$
	78-83-1	butanol	8000* ppm
1	00-41-4	ethylbenzene	1800* ppm

7 Handling and storage

- · Handling:
- · Precautions for safe handling No special measures required.
- · Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· 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.

67-64-	64-1 acetone		
PEL I	EL Long-term value: 2400 mg/m³, 1000 ppm		
REL I	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			
123-86	6-4 n-butyl acetate		
PEL I	L Long-term value: 710 mg/m³, 150 ppm		
REL I	Long-term value: 950 mg/m³, 200 ppm		
	Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm		
11292	6-00-8 precipitated Silica (Silica-Amorphous)		
PEL 2	20mppcf or 80mg/m3 /%SiO2		
	Long-term value: 6 mg/m³ See Pocket Guide App. C		
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(Contd. on page 6)

Sheet HCS

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

Trade name: HR014-LV Hot Rod Black

TI I/	(Contd. of pa	
	43-0 heptan-2-one	
	Long-term value: 465 mg/m³, 100 ppm	
	Long-term value: 465 mg/m³, 100 ppm	
TLV	Long-term value: 233 mg/m³, 50 ppm	
108-83-8 2,6-dimethylheptan-4-one		
PEL	Long-term value: 290 mg/m³, 50 ppm	
REL	Long-term value: 150 mg/m³, 25 ppm	
TLV	Long-term value: 145 mg/m³, 25 ppm	
1330	0-20-7 xylene	
PEL	Long-term value: 435 mg/m³, 100 ppm	
	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	
1333	3-86-4 Carbon black	
PEL	Long-term value: 3.5 mg/m³	
REL	Long-term value: 3.5* mg/m³	
	*0.1 in presence of PAHs;See Pocket Guide Apps.A+C	
TLV	Long-term value: 3* mg/m³	
	*inhalable fraction	
Ingr	redients with biological limit values:	
67-6	4-1 acetone	
BEI	50 mg/L	
	Medium: urine	
	Time: end of shift	
	Parameter: Acetone (nonspecific)	
	0-20-7 xylene	
BEI	1.5 g/g creatinine	
	Medium: urine	
	Time: end of shift Parameter: Methylkinnyria gaids	
	Parameter: Methylhippuric acids	

- · 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.

Avoid contact with the eyes and skin.

- · Breathing equipment: Not required.
- Protection of hands:

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

(Contd. on page 7)

SEM

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

Trade name: HR014-LV Hot Rod Black

(Contd. of page 6)

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:

Danger of explosion:

· Vapor pressure at 20 °C:

· Explosion limits:

· Density at 20 °C:

· Relative density

Lower:

Upper:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties		
· General Information		
· Appearance:		
Form:	Liquid	
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:	-18 °C	
· Flammability (solid, gaseous):	Not applicable.	
· Ignition temperature:	370 °C	
· Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	

2.6 Vol %

13 Vol %

Not determined.

233 hPa 1.063 g/cm³

In use, may form flammable/explosive vapour-air mixture.

(Contd. on page 8)

SEM

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

Trade name: HR014-LV Hot Rod Black

		(Contd. of page
· Vapor density	Not determined.	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octan	ol/water): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	58.4 %	
VOC content:	23.54 %	
	396.5 g/l / 3.31 lb/gl	
Solids content:	45.5 %	
· 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:
- Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- · on the eye: Irritating effect.
- · Sensitization: Sensitization possible through skin contact.
- · 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 xylene		3
14807-96-6	Talc	3
1333-86-4	Carbon black	2B
9002-88-4 Polyethylene low density		3
100-41-4	ethylbenzene	2B
	(Contd. on p	age 9)

HSA

SEM

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

Trade name: HR014-LV Hot Rod Black

(Contd. of page 8)

· 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 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · 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 UN1263
- · UN proper shipping name
- · **DOT** Pain
- · ADR 1263 Paint, special provision 640D
- · **IMDG, IATA** PAINT
- · Transport hazard class(es)
- $\cdot DOT$



· Class 3 Flammable liquids

(Contd. on page 10)

SEM

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

Trade name: HR014-LV Hot Rod Black

	(Contd. of pag
Label	3
ADR, IMDG, IATA	
3	
Class	3 Flammable liquids
Label	3
Packing group	
DOT, ADR, IMDG, IATA	II
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids
EMS Number:	<i>F-E,<u>S-E</u></i>
Stowage Category	B
Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.
	ног иррисионе.
Transport/Additional information:	
DOT	0
Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
4 D D	On cur go un crupt only. Of L
ADR Excepted quantities (EQ)	Code: E2
Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1263 PAINT, SPECIAL PROVISION 640D, 3, II

15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Sara

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· Section 355 (extremely hazardous substances):
None of the ingredient is listed.
· Section 313 (Specific toxic chemical listings):
Acrylic Resin

1330-20-7 xylene

14807-96-6 Talc

100-41-4 ethylbenzene

(Contd. on page 11)

SEM

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

Trade name: HR014-LV Hot Rod Black

· TSCA (Toxic	Substances Control Act):
•	4-chloro-alpha,alpha,alpha-trifluorotoluene
67-64-1	- · · ·
	n-butyl acetate
	Cellulose Acetate Butyrate
	heptan-2-one
	2,6-dimethylheptan-4-one
	4,6-dimethylheptan-2-one
1330-20-7	
14807-96-6	
	Carbon black
	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate
	Polyethylene low density
	poly(oxy-1,2-ethanediyl), α -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl 1-oxopropyl]- ω -hydroxy-
104810-47-1	poly(oxy-1,2-ethanediyl), α -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-0xopropyl]- ω -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-0xopropoxy]-
82919-37-7	Methyl (1,2,2,6,6,- pentamethyl-4-piperidinyl) sebacate
25322-68-3	Polyethylene glycol
9038-95-3	OXIRANE,ME, POLYMER
106-79-6	Dimethyl sebacate(Impurity)
78-83-1	butanol
100-41-4	ethylbenzene
2403-89-6	4-Piperidinol, 1,2,2,6,6 pentamethyl- (Impurity)
· TSCA new (2	1st Century Act) (Substances not listed)
112926-00-8	precipitated Silica (Silica-Amorphous)
· Proposition 6	5
· Chemicals kr	nown to cause cancer:
1330-20-7 xy	rlene
1333-86-4 C	arbon black
100-41-4 et	hylbenzene
· Chemicals kn	own to cause reproductive toxicity for females:
	agredients is listed.
· Chemicals kr	own to cause reproductive toxicity for males:
	gredients is listed.
· Chemicals kr	own to cause developmental toxicity:
None of the in	ngredients is listed.
· Cancerogeni	ty categories
· EPA (Enviro	nmental Protection Agency)
67-64-1 ac	cetone
1330-20-7 xy	lene



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

Trade name: HR014-LV Hot Rod Black

		(Contd. of page 11)
100-41-4	ethylbenzene	D
· TLV (Thres	hold Limit Value established by ACGIH)	
67-64-1	acetone	A4
1330-20-7	xylene	A4
14807-96-6	Talc	A4
1333-86-4	Carbon black	A4
100-41-4	ethylbenzene	A3
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	
1333-86-4	Carbon black	

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





GHS02 GHS07

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

4-chloro-alpha,alpha,alpha-trifluorotoluene

acetone

n-butyl acetate

precipitated Silica (Silica-Amorphous)

bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate

Methyl (1,2,2,6,6,- pentamethyl-4-piperidinyl) sebacate

· Hazard statements

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

· Precautionary statements

1 Commonally Statements		
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.	
P240	Ground/bond container and receiving equipment.	
P241	Use explosion-proof electrical/ventilating/lighting/equipment.	
P242	Use only non-sparking tools.	
P243	Take precautionary measures against static discharge.	
P261	Avoid breathing dust/fume/gas/mist/vapors/spray	
P264	Wash thoroughly after handling.	
P271	Use only outdoors or in a well-ventilated area.	
P272	Contaminated work clothing must not be allowed out of the workplace.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/	
	shower.	
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.	
P312	Call a poison center/doctor if you feel unwell.	
P321	Specific treatment (see on this label).	

(Contd. on page 13)

SEM

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

Trade name: HR014-LV Hot Rod Black

(Contd. of page 12) Take off contaminated clothing and wash it before reuse. P362+P364 P333+P313 If skin irritation or rash occurs: Get medical advice/attention. *If eye irritation persists: Get medical advice/attention.* P337+P313 P363 Wash contaminated clothing before reuse. P370+P378 *In case of fire: Use for extinction: CO2, powder or water spray.* P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international

· 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)

regulations.

- Date of preparation / last revision 03/14/2018 / 7
- · 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)

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. Liq. 2: Flammable liquids - Category 2

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

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

Skin Sens. 1: Skin sensitisation – Category 1

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

* * Data compared to the previous version altered.

USA ·