1 Identification

- · Product identifier
- · Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06
- · Article number: HR010 Kit
- · 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 identification

· Classification of the substance or mixture



GHS02 Flame

Flammable Liquids - Category 2 H225 Highly flammable liquid and vapour.



GHS08 Health hazard

Respiratory Sensitizer - Category 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Specific Target Organ Toxicity - Single Exposure - H371 May cause damage to organs.

Category 2



Skin Irritation - Category 2 H315 Causes skin irritation.

Eye Irritation - Category 2A H319 Causes serious eye irritation.

Skin Sensitizer - Category 1 H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure - H336 May cause drowsiness or dizziness.

Category 3

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







GHS02

GHS08

GHS07

(Contd. on page 2)

according to HPR, Schedule 1



Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

(Contd. of page 1)

· Signal word Danger

Printing date 03/21/2018

· Hazard-determining components of labeling:

HDI Prepolymer *n-butyl* acetate

acetone

precipitated Silica (Silica-Amorphous)

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

· Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H371 May cause damage to organs.

H336 May cause drowsiness or dizziness.

· Precautionary statements

· Frecautionary state	ements
	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
	smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P242	Use non-sparking tools.
P243	Take actions to prevent static discharges.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water

[or 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.

P308+P311	IF exposed or concerned: Call a poison center/doctor.
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (see on this label).

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

If experiencing respiratory symptoms: Call a poison center/doctor. P342+P311 P370+P378 *In case of fire: Use for extinction: CO2, powder or water spray.*

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 regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2Fire = 3Reactivity = 0

(Contd. on page 3)

Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

· HMIS-ratings (scale 0 - 4)

*2 *Health* = *2 3 *Fire* = 3

REACTIVITY 0 Reactivity = 0

(Contd. of page 2)

3 Composition/Information on ingredients

- · Chemical characterization: Mixtures
- · Description:

HEALTH

FIRE

Mixture: consisting of the following components.

Weight percentages

· Dangerous c	omponents:	
123-86-4	n-butyl acetate	10-30% w/w
67-64-1	acetone	10-30% w/w
112-07-2	2-butoxyethyl acetate	≥5-<10% w/w
28182-81-2	HDI Prepolymer	≥5-<10% w/w
108-65-6	2-methoxy-1-methylethyl acetate	3-7% w/w
112926-00-8	precipitated Silica (Silica-Amorphous)	1-5% w/w
110-43-0	heptan-2-one	1-5% w/w
108-83-8	2,6-dimethylheptan-4-one	1-5% w/w
1330-20-7	xylene	0.5-1.5% w/w
14807-96-6	Talc	0.5-1.5% w/w
64742-95-6	Solvent naphtha (petroleum), light arom.	0.5-1.5% w/w
19549-80-5	4,6-dimethylheptan-2-one	0.5-1.5% w/w
41556-26-7	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate	≥0.1-<1% w/w

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.

CA

SEM

Printing date 03/21/2018 Reviewed on 06/20/2017

Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

(Contd. of page 3)

5 Firefighting 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.

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).

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.

7 Handling and storage

- · Handling:
- · Precautions for safe handling

No special measures required.

Ensure good ventilation/exhaustion at the workplace.

· 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.

(Contd. on page 5)

Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

(Contd. of page 4)

Cor	ntrol parameters
	nponents with limit values that require monitoring at the workplace:
123	-86-4 n-butyl acetate
EL	Long-term value: 20 ppm
EV	Short-term value: 950 mg/m³, 200 ppm
	Long-term value: 710 mg/m³, 150 ppm
67-	64-1 acetone
ΕL	Short-term value: 500 ppm
	Long-term value: 250 ppm
EV	Short-term value: 750 ppm
	Long-term value: 500 ppm
112	-07-2 2-butoxyethyl acetate
EL	Long-term value: 20 ppm
EV	Long-term value: 20 ppm
108	-65-6 2-methoxy-1-methylethyl acetate
EL	Short-term value: 75 ppm
	Long-term value: 50 ppm
EV	Long-term value: 270 mg/m³, 50 ppm
112	926-00-8 precipitated Silica (Silica-Amorphous)
EL	Long-term value: 4* 1.5** mg/m³
	Precipitated and gel;*total;**respirable
EV	Long-term value: 10 mg/m³
110	-43-0 heptan-2-one
EL	Long-term value: 50 ppm
EV	Long-term value: 115 mg/m³, 25 ppm
108	-83-8 2,6-dimethylheptan-4-one
	Long-term value: 25 ppm
	Long-term value: 145 mg/m³, 25 ppm
	0-20-7 xylene
	Short-term value: 150 ppm
_	Long-term value: 100 ppm
EV	Short-term value: 650 mg/m³, 150 ppm
	Long-term value: 435 mg/m³, 100 ppm

- · 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:

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.

(Contd. on page 6)



Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

(Contd. of page 5)

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:



Tightly sealed goggles

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	MINGIAM	and a	ACTUATOR	properties

. T	nformation	on basic	nhysical	and cl	homical	nronorties	
· 1	niormanon	on pasic	Duvsicai	ana ci	петиса	broberiies	

· General Information

· Appearance:

Form: Liquid

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: 55 °C

· Flash point: -18 °C

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 280 °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:
 13 Vol %

(Contd. on page 7)

Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

		(Contd. of page
· Vapor pressure at 20 °C:	233 hPa	
Density at 20 °C:	0.97g/cm^3	
Relative density	Not determined.	
Vapor density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
Partition coefficient (n-octanol/w	ater): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Organic solvents:	61.8 %	
VOC content:	43.78 %	
	545.2 g/l / 4.55 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:

	· LD/LC50 values that are relevant for classification:			
	28182-81-2 HDI Prepolymer			
ſ	Oral	LD50	1,000 mg/kg (rat)	
	Dermal	LD50	5,000 mg/kg (rabbit)	
	Inhalative	LC50/4 h	137-1,150 mg/l (rat)	

- · Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- · Sensitization:

Sensitization possible through inhalation.

Sensitization possible through skin contact.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: (Contd. on page 8)

Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

(Contd. of page 7)

Harmful Irritant

· Carcinogen	ic categories	
· IARC (Inter	rnational 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
98-82-8	cumene	2B
100-41-4	ethylbenzene	2B
· NTP (Natio	nal Toxicology Program)	
98-82-8 cui	nene	R

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.

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14	<i>Cranspor</i>	untor	mation

· UN-Number · DOT, TDG, IMDG, IATA	UN1263
· IIN proper chipping name	

· UN proper shipping name · DOT

• TDG 1263 Paint, special provision 640D

Paint

(Contd. on page 9)

Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

	(Contd. of page
IMDG, IATA	PAINT
Transport hazard class(es)	
DOT	
PLANISAGE UUSU	
2	
Class	3 Flammable liquids
Label	3
TDG, IMDG, IATA	
Class	3 Flammable liquids
Label	3
Packing group	77
DOT, TDG, IMDG, IATA	II
Environmental hazards: Marine pollutant:	No
Special precautions for user EMS Number:	Warning: Flammable liquids F-E,S-E
Stowage Category	B B
Transport in bulk according to Annex	II of
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
TDG	G 1 F2
Excepted quantities (EQ)	Code: E2 Maximum not quantity per inner packaging: 30 ml
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
IMDG	1 1 1 0 0
Limited quantities (LQ)	5L
Excepted quantities (\widetilde{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

CA ·

Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

(Contd. of page 9)

Safety, healt Sara	h and environmental regulations/legislation specific for the substance or mixture
	(extremely hazardous substances):
	ngredient is listed.
Section 313	(Specific toxic chemical listings):
	Acrylic Resin
	2-butoxyethyl acetate
1330-20-7	·
14807-96-6	
95-63-6	1,2,4-trimethylbenzene
98-82-8	•
100-41-4	ethylbenzene
	: Substances Control Act):
•	n-butyl acetate
	acetone
	2-butoxyethyl acetate
	HDI Prepolymer
	2-methoxy-1-methylethyl acetate
	Cellulose Acetate Butyrate
	heptan-2-one
	2,6-dimethylheptan-4-one
1330-20-7	
14807-96-6	Talc
19549-80-5	4,6-dimethylheptan-2-one
123-42-2	4-hydroxy-4-methylpentan-2-one
1333-86-4	Carbon black
41556-26-7	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate
95-63-6	1,2,4-trimethylbenzene
9002-88-4	Polyethylene low density
104810-48-2	$poly(oxy-1,2-ethanediyl), \alpha-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyll-oxopropyl]-\omega-hydroxy-$
104810-47-1	$poly(oxy-1,2-ethanediyl)$, α -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyll-oxopropyl]- ω -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-oxopropoxy]-
108-67-8	mesitylene
	Methyl (1,2,2,6,6,- pentamethyl-4-piperidinyl) sebacate
25322-68-3	Polyethylene glycol
9038-95-3	OXIRANE, ME, POLYMER
98-82-8	cumene
106-79-6	Dimethyl sebacate(Impurity)
78-83-1	butanol

Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

100-41-4	ethylbenzene (Contd. of page
	4-Piperidinol, 1,2,2,6,6 pentamethyl- (Impurity)
	estance listings:
	mestic Substances List (DSL)
	n-butyl acetate
67-64-1	· ·
	2-butoxyethyl acetate
	HDI Prepolymer
	2-methoxy-1-methylethyl acetate
	heptan-2-one
	2,6-dimethylheptan-4-one
1330-20-7	•
14807-96-6	•
19549-80-5	4,6-dimethylheptan-2-one
	4-hydroxy-4-methylpentan-2-one
	Carbon black
41556-26-7	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate
	1,2,4-trimethylbenzene
	Polyethylene low density
104810-48-2	poly(oxy-1,2-ethanediyl), α -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl-oxopropyl]- ω -hydroxy-
104810-47-1	poly(oxy-1,2-ethanediyl), α -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl-oxopropyl]- ω -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-oxopropoxy]-
108-67-8	mesitylene
	Methyl (1,2,2,6,6,- pentamethyl-4-piperidinyl) sebacate
25322-68-3	Polyethylene glycol
9038-95-3	OXIRANE,ME, POLYMER
98-82-8	cumene
106-79-6	Dimethyl sebacate(Impurity)
78-83-1	butanol
100-41-4	ethylbenzene
Canadian Ing	gredient Disclosure list (limit 0.1%)
95-63-6 1,2	,4-trimethylbenzene
108-67-8 me.	sitylene
Canadian Ing	gredient Disclosure list (limit 1%)
123-86-4 r	ı-butyl acetate
67-64-1 d	· ·
110-43-0	neptan-2-one
108-83-8 2	2,6-dimethylheptan-4-one
19549-80-5	1,6-dimethylheptan-2-one



Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

(Contd. of page 11)

· Hazard pictograms







GHS08

· Signal word Danger

· Hazard-determining components of labeling:

HDI Prepolymer *n-butyl acetate*

acetone

precipitated Silica (Silica-Amorphous)

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

· Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H371 May cause damage to organs.

H336 May cause drowsiness or dizziness.

· Precautionary statements

· Frecautionar	y statements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P242	Use non-sparking tools.
P243	Take actions to prevent static discharges.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P303+P361+	P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water
	[or 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.
P308+P311	IF exposed or concerned: Call a poison center/doctor.
D262 + D264	Tala off and main and all things and another the famous

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

Specific treatment (see on this label). P321

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

P342+P311 *If experiencing respiratory symptoms: Call a poison center/doctor.* P370+P378 *In case of fire: Use for extinction: CO2, powder or water spray.*

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

regulations.

(Contd. on page 13)



Trade name: HR010 Hot Rod Black Kit with HR014,HRC06 & HRR06

(Contd. of page 12)

· 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 03/21/2018 / 6
- · Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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

* * Data compared to the previous version altered.

CA