



# 1 Identification

- · Product identifier
- · Trade name: HR020-LV Hot Rod Silver with HR024-LV, HRC06-LV and HRR06-LV
- · Article number: HR020-LV 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(s) identification

· Classification of the substance or mixture



GHS02 Flame

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



GHS08 Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT SE 2 H371 May cause damage to organs.



# GHS07

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 GHS08

· Signal word Danger

- · Hazard-determining components of labeling: HDI Prepolymer

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4-chloro-alpha, alpha, alpha-trifluoro to luene

acetone

n-butyl acetate

## · Hazard statements

*H225 Highly flammable liquid and vapor.* 

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.

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.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P284 [In case of inadequate ventilation] wear respiratory protection.
P280 Wear protective gloves / eye protection / face protection.

P240 Ground/bond container and receiving equipment.
 P233 Keep container tightly closed.
 P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

*P264* Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing must not be allowed out of the workplace.

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

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

*P363* Wash contaminated clothing before reuse.

P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for

breathing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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

P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.
P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

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

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

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 1 Fire = 3Reactivity = 0

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· 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 co	omponents:	
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	30 - 40%
67-64-1	acetone	13 - 30%
	n-butyl acetate	5 - 7%
28182-81-2	HDI Prepolymer	5 - 7%
	2-butoxyethyl acetate	1.5 - 5%
9004-36-8	Cellulose Acetate Butyrate	1.5 - 5%
7429-90-5	aluminium	1.5 - 5%
	precipitated Silica (Silica-Amorphous)	1.5 - 5%
64742-48-9	Gemisch aliphatischer, naphtenischer Kohlenwasserstoffe; Aromatengehalt: <0,5%	1.5 - 5%
1330-20-7	xylene	1-1.5%
41556-26-7	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate	≤1%

## 4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · 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.

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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.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

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#### 6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

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.

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### 7 Handling and storage

- · Handling:
- · Precautions for safe handling

No special measures required.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

 $\cdot \textit{Information about protection against explosions and fires:} \\$ 

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · 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.

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# 8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Control parameters

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· 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.

67-64-1 acetone	
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	
123-86-4 n-butyl acetate	
PEL Long-term value: 710 mg/m³, 150 ppm	
REL Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm	
TLV Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm	
112-07-2 2-butoxyethyl acetate	
REL Long-term value: 33 mg/m³, 5 ppm	
TLV Long-term value: 130 mg/m³, 20 ppm	
112926-00-8 precipitated Silica (Silica-Amorphous)	
PEL 20mppcf or 80mg/m3 /%SiO2	
REL Long-term value: 6 mg/m³ See Pocket Guide App. C	
TLV TLV withdrawn	
1330-20-7 xylene	
PEL Long-term value: 435 mg/m³, 100 ppm	
REL 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	
Ingredients with biological limit values:	
67-64-1 acetone	
BEI 50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)	
1330-20-7 xylene	

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BEI 1.5 g/g creatinine

Medium: urine Time: end of shift

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:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

## · Protection of hands:

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

#### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### · Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



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.

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· Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. 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.	
· Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.	
· Explosion limits: Lower: Upper:	2.6 Vol % 13.0 Vol %	
· Vapor pressure at 20 °C:	233 hPa	
<ul> <li>Density at 20 °C:</li> <li>Relative density</li> <li>Vapor density</li> <li>Evaporation rate</li> </ul>	0.97 g/cm <sup>3</sup> Not determined. Not determined. Not determined.	
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/water).	: Not determined.	
· Viscosity: Dynamic: Kinematic:	Not determined. Not determined.	
· Solvent content: Organic solvents: VOC content:	65.0 % 14.0 % 241.8 g/l / 2.02 lb/gl	
Solids content: · Other information	45.5 % 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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# 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

l	· LD/LC50 values that are relevant for classification:		
28182-81-2 HDI Prepolymer			polymer
Ī	Oral	LD50	1000 mg/kg (rat)
	Dermal	<i>LD50</i>	5000 mg/kg (rabbit)
	Inhalative	LC50/4 h	137-1150 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: Harmful

Irritant

· Carcinogenic categories

· IARC (Inte	rnational Agency for Research on Cancer)	
1330-20-7	xylene	3
9002-88-4	POLYETHYLENE	3
100-41-4	ethylbenzene	2B
· NTP (Natio	onal Toxicology Program)	
None of the	ingredients is listed.	
· OSHA-Ca	(Occupational Safety & Health Administration)	
None of the	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 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.

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

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· 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.

· UN-Number	
DOT, ADR, IMDG, IATA	UN1263
· UN proper shipping name	
· DOT	Paint
· ADR	1263 Paint, special provision 640D
· IMDG, IATA	PAINT
· Transport hazard class(es)	
· DOT	
<b>A</b>	
FLAMMABLE LIQUO	
3	
· Class	3 Flammable liquids
· Label	3
· <i>ADR</i>	
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
A	
**	
· Class	3 Flammable liquids
· Label	3
· Packing group · DOT, ADR, IMDG, IATA	II

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Trade name: HR020-LV Hot Rod Silver with HR024-LV, HRC06-LV and HRR06-LV

	(Contd. of page
· Special marking (ADR):	Symbol (fish and tree)
· 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 II	of
MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
$\cdot$ DOT	
· Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
· ADR	
· Excepted quantities (EQ)	Code: E2
	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

1 - 1	•	1 , 0 ,
15 1	(egu)	latory information

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

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

· Section 313	(Specific toxio	: chemical	listings):
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	ACRYLIC RESIN
112-07-2	2-butoxyethyl acetate
	aluminium
1330-20-7	xylene

# 100-41-4 ethylbenzene

	•
,	Substances Control Act):
	4-chloro-alpha,alpha,alpha-trifluorotoluene
	acetone
	n-butyl acetate
	HDI Prepolymer
	2-butoxyethyl acetate
	Cellulose Acetate Butyrate
	aluminium
1330-20-7	xylene

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(Contd. of page 10) 108-83-8 2,6-dimethylheptan-4-one 19549-80-5 4,6-dimethylheptan-2-one 41556-26-7 bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate 9002-88-4 *POLYETHYLENE* 104810-48-2 | alpha-3-(3-(2H-Benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega*hydroxypoly(oxy-ethylen)* 104810-47-1 alpha-3-(2H-Benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl)-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylen) 82919-37-7 *Methyl* (1,2,2,6,6,- pentamethyl-4-piperidinyl) sebacate

## · Proposition 65

· Chemicals	known to cause cancer:
1330-20-7	xylene
100-41-4	ethylbenzene

## · Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

## · Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

#### · Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

## · Cancerogenity categories

· EPA (Environmental Protection Agency)		ronmental Protection Agency)	
	67-64-1	acetone	Ι
	1330-20-7	xylene	Ι
	100-41-4	ethylbenzene .	D
· TLV (Threshold Limit Value established by ACGIH)			

· TLV (Thre	shold Limit Value established by ACGIH)	
67-64-1	acetone	A4
112-07-2	2-butoxyethyl acetate	<i>A3</i>
	aluminium	A4
1330-20-7	xylene	A4
100-41-4	ethylbenzene	<i>A3</i>

#### · NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

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







GHS02

GHS08

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

HDI Prepolymer

4-chloro-alpha, alpha, alpha-trifluorotoluene

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acetone n-butyl acetate · Hazard statements H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eve 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.

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. P241 *Use explosion-proof electrical/ventilating/lighting/equipment.* P260 Do not breathe dust/fume/gas/mist/vapors/spray. P284 [In case of inadequate ventilation] wear respiratory protection.

P280 Wear protective gloves / eye protection / face protection. P240 Ground/bond container and receiving equipment. P233 Keep container tightly closed.

P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264

Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing must not be allowed out of the workplace.

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

shower. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. P321 *Specific treatment (see on this label).* 

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P363 Wash contaminated clothing before reuse.

P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for

breathing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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

P370+P378 *In case of fire: Use for extinction: CO2, powder or water spray.* P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor. P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

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

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

regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: Environment protection department.
- · Contact: Steve Gaver (sgaver@semproducts.com)
- · Date of preparation / last revision 06/01/2016 / 5

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#### · 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. Liq. 2: Flammable liquids – Category 2

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

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

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 2: Specific target organ toxicity (single exposure) – Category 2

\* \* Data compared to the previous version altered.

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