

**1 Identification**

- **Product identifier**
- **Trade name:** HRR06 Hot Rod Black Reducer
- **Article number:** HRR06
- **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. 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

Muta. 1B H340 May cause genetic defects.

Carc. 1B H350 May cause cancer.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

- **Label elements**

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

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

2-butoxyethyl acetate

Solvent naphtha (petroleum), light aromatic

1,2,4-trimethylbenzene

(Contd. on page 2)

USA

Trade name: HRR06 Hot Rod Black Reducer

(Contd. of page 1)

Hazard statements

- H226 Flammable liquid and vapor.
- H332 Harmful if inhaled.
- H340 May cause genetic defects.
- H350 May cause cancer.

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.
- P233 Keep container tightly closed.
- 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
- P271 Use only outdoors or in a well-ventilated area.
- 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.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a poison center/doctor if you feel unwell.
- 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)



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

(Contd. on page 3)

Trade name: **HRR06 Hot Rod Black Reducer**

(Contd. of page 2)

· Dangerous components:		
112-07-2	2-butoxyethyl acetate	40-60%
108-65-6	2-methoxy-1-methylethyl acetate	30-40%
123-42-2	4-hydroxy-4-methylpentan-2-one	1.5-5%
64742-95-6	Solvent naphtha (petroleum), light aromatic	1.5-5%
108-67-8	mesitylene	1.5-5%
95-63-6	1,2,4-trimethylbenzene	1.5-5%
98-82-8	cumene	≥0.1-≤1%

4 First-aid measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately rinse with water.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **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:** Mouth 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:**

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

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

(Contd. on page 4)



Trade name: HRR06 Hot Rod Black Reducer

(Contd. of page 3)

- **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**

· **PAC-1:**

112-07-2	2-butoxyethyl acetate	15 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
123-42-2	4-hydroxy-4-methylpentan-2-one	150 ppm
108-67-8	mesitylene	140 ppm
95-63-6	1,2,4-trimethylbenzene	140 ppm
98-82-8	cumene	50 ppm
1330-20-7	xylene	130 ppm
100-41-4	ethylbenzene	33 ppm
71-43-2	benzene	52 ppm

· **PAC-2:**

112-07-2	2-butoxyethyl acetate	35 ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
123-42-2	4-hydroxy-4-methylpentan-2-one	350 ppm
108-67-8	mesitylene	360 ppm
95-63-6	1,2,4-trimethylbenzene	360 ppm
98-82-8	cumene	300 ppm
1330-20-7	xylene	920* ppm
100-41-4	ethylbenzene	1100* ppm
71-43-2	benzene	800 ppm

· **PAC-3:**

112-07-2	2-butoxyethyl acetate	210 ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
123-42-2	4-hydroxy-4-methylpentan-2-one	2100* ppm
108-67-8	mesitylene	480 ppm
95-63-6	1,2,4-trimethylbenzene	480 ppm
98-82-8	cumene	730 ppm
1330-20-7	xylene	2500* ppm
100-41-4	ethylbenzene	1800* ppm
71-43-2	benzene	4000* ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.

(Contd. on page 5)

Trade name: **HRR06 Hot Rod Black Reducer**

(Contd. of page 4)

- **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:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **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 remaining constituent has no known exposure limits.

112-07-2 2-butoxyethyl acetate	
REL	Long-term value: 33 mg/m ³ , 5 ppm
TLV	Long-term value: 130 mg/m ³ , 20 ppm
108-65-6 2-methoxy-1-methylethyl acetate	
WEEL	Long-term value: 50 ppm
123-42-2 4-hydroxy-4-methylpentan-2-one	
PEL	Long-term value: 240 mg/m ³ , 50 ppm
REL	Long-term value: 240 mg/m ³ , 50 ppm
TLV	Long-term value: 238 mg/m ³ , 50 ppm
108-67-8 mesitylene	
REL	Long-term value: 125 mg/m ³ , 25 ppm
TLV	Long-term value: 123 mg/m ³ , 25 ppm
95-63-6 1,2,4-trimethylbenzene	
REL	Long-term value: 125 mg/m ³ , 25 ppm
TLV	Long-term value: 123 mg/m ³ , 25 ppm
98-82-8 cumene	
PEL	Long-term value: 245 mg/m ³ , 50 ppm Skin
REL	Long-term value: 245 mg/m ³ , 50 ppm Skin
TLV	Long-term value: (246) NIC-0.5 mg/m ³ , (50) NIC-0.1 ppm NIC-A3

- **Additional information:** The lists that were valid during the creation were used as basis.

(Contd. on page 6)

USA

Trade name: **HRR06 Hot Rod Black Reducer**

(Contd. of page 5)

· **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.*· **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 through 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.· **Change in condition****Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** 146.4 °C· **Flash point:** 44 °C· **Flammability (solid, gaseous):** Not applicable.

(Contd. on page 7)

USA



Trade name: HRR06 Hot Rod Black Reducer

(Contd. of page 6)

· 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:	1.5 Vol %
Upper:	10.8 Vol %
· Vapor pressure at 20 °C:	3.4 hPa
· Density at 20 °C:	0.9216 g/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/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	100.0 %
VOC content:	100.00 %
	921.6 g/l / 7.69 lb/gal
· Solids content:	0.0 %
· 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:**

112-07-2 2-butoxyethyl acetate

Oral	LD50	2,400 mg/kg (rat)
------	------	-------------------

(Contd. on page 8)

Trade name: **HRR06 Hot Rod Black Reducer**

(Contd. of page 7)

Dermal	LD50	1,580 mg/kg (rabbit)
64742-95-6 Solvent naphtha (petroleum), light aromatic		
Oral	LD50	>6,800 mg/kg (rat)
Dermal	LD50	>3,400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)
95-63-6 1,2,4-trimethylbenzene		
Oral	LD50	5,000 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** No irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful

The product can cause inheritable damage.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

98-82-8	cumene	2B
1330-20-7	xylene	3
100-41-4	ethylbenzene	2B
71-43-2	benzene	I

- **NTP (National Toxicology Program)**

98-82-8	cumene	R
71-43-2	benzene	K

- **OSHA-Ca (Occupational Safety & Health Administration)**

71-43-2	benzene
---------	---------

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.

- **Other adverse effects** No further relevant information available.

USA

(Contd. on page 9)



Trade name: HRR06 Hot Rod Black Reducer

(Contd. of page 8)

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** Paint
- **ADR** 1263 PAINT
- **IMDG, IATA** PAINT
- **Transport hazard class(es)**
- **DOT**
- 
- **Class** 3 Flammable liquids
- **Label** 3
- **ADR, IMDG, IATA**
- 
- **Class** 3 Flammable liquids
- **Label** 3
- **Packing group**
- **DOT, ADR, IMDG, IATA** III
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Flammable liquids
- **EMS Number:** 3
- **Stowage Category** A
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

(Contd. on page 10)

Trade name: **HRR06 Hot Rod Black Reducer**

(Contd. of page 9)

· **Transport/Additional information:**· **DOT**· **Quantity limitations**

On passenger aircraft/rail: 60 L

On cargo aircraft only: 220 L

· **ADR**· **Excepted quantities (EQ)**

Code: E

· **IMDG**· **Limited quantities (LQ)**

5

· **Excepted quantities (EQ)**

Code: E

· **UN "Model Regulation":**

UN 1263 PAINT, 3, III

* **15 Regulatory information**· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

112-07-2 | 2-butoxyethyl acetate

95-63-6 | 1,2,4-trimethylbenzene

98-82-8 | cumene

1330-20-7 | xylene

100-41-4 | ethylbenzene

71-43-2 | benzene

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**· **Chemicals known to cause cancer:**

95-63-6 | 1,2,4-trimethylbenzene

98-82-8 | cumene

100-41-4 | ethylbenzene

71-43-2 | benzene

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

None of the ingredients is listed.

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

71-43-2 | benzene

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

71-43-2 | benzene

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

108-67-8 | mesitylene

II

(Contd. on page 11)

Trade name: **HRR06 Hot Rod Black Reducer**

(Contd. of page 10)

95-63-6	1,2,4-trimethylbenzene	II
98-82-8	cumene	D, CBD
1330-20-7	xylene	I
100-41-4	ethylbenzene	D
71-43-2	benzene	A, K/L

· **TLV (Threshold Limit Value established by ACGIH)**

112-07-2	2-butoxyethyl acetate	A3
1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3
71-43-2	benzene	A1

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

71-43-2	benzene
---------	---------

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

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

2-butoxyethyl acetate
Solvent naphtha (petroleum), light aromatic
1,2,4-trimethylbenzene

· **Hazard statements**

H226 Flammable liquid and vapor.
H332 Harmful if inhaled.
H340 May cause genetic defects.
H350 May cause cancer.

· **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.
P233 Keep container tightly closed.
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
P271 Use only outdoors or in a well-ventilated area.
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.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a poison center/doctor if you feel unwell.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P235 Store in a well-ventilated place. Keep cool.

(Contd. on page 12)



Trade name: HRR06 Hot Rod Black Reducer

(Contd. of page 11)

P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **Additional classification according to Decree on Hazardous Materials:**

Carcinogenic hazardous material group III (dangerous).

· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
Exceptions can be made by the authorities in certain cases.

· **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** 12/05/2018 / 8

· **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

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1B: Carcinogenicity – Category 1B

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