

1 Identification of substance

- **Product details**
- **Trade name:** *HR014 Hot Rod Black*
- **Article number:** *HR014*
- **Manufacturer/Supplier:**
SEM Products, Inc.
651 Michael Wylie Dr.
Charlotte, NC 28217
USA
(704)522-1006
- **Information department:** *24HR EMERGENCY CHEMTREC 800-424-9300*

2 Composition/Data on components

- **Chemical characterization**
- **Description:** *Mixture of the substances listed below with nonhazardous additions.*

· **Dangerous components:**

	ACRYLIC RESIN	25-50%
67-64-1	acetone	25-50%
123-86-4	n-butyl acetate	10-25%
9004-36-8	CELLULOSE ACETATE BUTYRATE	2.5-10%
110-43-0	heptan-2-one	2.5-10%
108-83-8	2,6-dimethylheptan-4-one	2.5-10%
1330-20-7	xylene	1-2.5%
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	1-2.5%
19549-80-5	4,6-dimethylheptan-2-one	1-2.5%
1333-86-4	Carbon black	1-2.5%

3 Hazards identification

· **Hazard description:**



Irritant
Highly flammable

· **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to the calculation procedure of international guidelines.

Has a narcotizing effect.

Highly flammable.

Irritating to eyes, respiratory system and skin.

Vapours may cause drowsiness and dizziness.

· **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

(Contd. on page 2)

Trade name: **HR014 Hot Rod Black**

(Contd. of page 1)

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

4 First aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **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.

(Contd. on page 3)



Trade name: HR014 Hot Rod Black

(Contd. of page 2)

Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

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

· **Components with limit values that require monitoring at the workplace:**

67-64-1 acetone

PEL	2400 mg/m ³ , 1000 ppm
REL	590 mg/m ³ , 250 ppm
TLV	Short-term value: 1782 mg/m ³ , 750 ppm Long-term value: 1188 mg/m ³ , 500 ppm BEI

123-86-4 n-butyl acetate

PEL	710 mg/m ³ , 150 ppm
REL	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
TLV	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 713 mg/m ³ , 150 ppm

110-43-0 heptan-2-one

PEL	465 mg/m ³ , 100 ppm
REL	465 mg/m ³ , 100 ppm
TLV	233 mg/m ³ , 50 ppm

108-83-8 2,6-dimethylheptan-4-one

PEL	290 mg/m ³ , 50 ppm
REL	150 mg/m ³ , 25 ppm
TLV	145 mg/m ³ , 25 ppm

1330-20-7 xylene

PEL	435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

1333-86-4 Carbon black

PEL	3.5 mg/m ³
REL	3.5* mg/m ³ *0.1 in presence of PAHs, as PAHs; 10-hr TWA
TLV	3.5 mg/m ³

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

· **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.
- Use suitable respiratory protective device in case of insufficient ventilation.

(Contd. on page 4)



Trade name: HR014 Hot Rod Black

(Contd. of page 3)

· **Protection of hands:**



Protective gloves

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

· **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

· **General Information**

Form:	Liquid
Color:	According to product specification
Odor:	Characteristic

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55°C (131°F)

· **Flash point:** -19°C (-2°F)

· **Ignition temperature:** 370.0°C (698°F)

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

Lower:	1.2 Vol %
Upper:	13.0 Vol %

· **Vapor pressure at 20°C (68°F):** 233.0 hPa (175 mm Hg)

· **Density at 20°C (68°F):** 0.97000 g/cm³

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix.

(Contd. on page 5)



Trade name: HR014 Hot Rod Black

(Contd. of page 4)

- **Solvent content:**
 - Organic solvents:** 54.5 %
 - VOC content:** 28.2 %
272.9 g/l / 2.28 lb/gl
- **Solids content:** 45.5 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

- **Primary irritant effect:**
 - **on the skin:** Irritant to skin and mucous membranes.
 - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

12 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.

13 Disposal considerations

- **Product:**
- **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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(Contd. on page 6)

Trade name: **HR014 Hot Rod Black**

(Contd. of page 5)

14 Transport information

· **DOT regulations:**



- **Hazard class:** 3
- **Identification number:** UN1263
- **Packing group:** II
- **Proper shipping name (technical name):** PAINT
- **Label:** 3

· **Land transport TDG (Canada) and ADR/RID (Europe):**



- **Hazard class:** 3 Flammable liquids
- **UN-Number:** 1263
- **Packaging group:** II
- **Label:** 3
- **Description of goods:** 1263 PAINT, special provision 640D

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1263
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Propper shipping name:** PAINT

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1263
- **Label:** 3
- **Packaging group:** II
- **Propper shipping name:** PAINT



Trade name: **HR014 Hot Rod Black**

(Contd. of page 6)

15 Regulations

· **Sara**

· **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 (Mg3H2(SiO3)4)
100-41-4	ethylbenzene

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

67-64-1	acetone
123-86-4	n-butyl acetate
110-43-0	heptan-2-one
108-83-8	2,6-dimethylheptan-4-one
1330-20-7	xylene
14807-96-6	Talc (Mg3H2(SiO3)4)
19549-80-5	4,6-dimethylheptan-2-one
1333-86-4	Carbon black
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)
25322-68-3	Polyethylene glycol
64742-95-6	Solvent naphtha (petroleum), light arom.
78-83-1	butanol
100-41-4	ethylbenzene

· **Proposition 65**

· **Chemicals known to cause cancer:**

1330-20-7	xylene
1333-86-4	Carbon black
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)**

67-64-1	acetone	D
1330-20-7	xylene	D
100-41-4	ethylbenzene	D

(Contd. on page 8)



Trade name: HR014 Hot Rod Black

(Contd. of page 7)

· IARC (International Agency for Research on Cancer)		
1330-20-7	xylene	3
14807-96-6	Talc (Mg3H2(SiO3)4)	3
1333-86-4	Carbon black	2B
9002-88-4	POLYETHYLENE	3
100-41-4	ethylbenzene	2B

· NTP (National Toxicology Program)
None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)		
67-64-1	acetone	A4
1330-20-7	xylene	A4
14807-96-6	Talc (Mg3H2(SiO3)4)	A4
1333-86-4	Carbon black	A4

· NIOSH-Ca (National Institute for Occupational Safety and Health)
1333-86-4 Carbon black

· OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

· Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

· Hazard symbols:

Irritant
Highly flammable

· Risk phrases:

Highly flammable.
Irritating to eyes, respiratory system and skin.
Vapours may cause drowsiness and dizziness.

· Safety phrases:

Keep in a cool place.
Keep container in a well-ventilated place.
Keep away from sources of ignition - No smoking.
This material and its container must be disposed of as hazardous waste.

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 MSDS:** Environment protection department.
- **Contact:** Mr. Steve Gaver