Safety Data Sheet
acc. to OSHA HCS

1 Identification

· **Product identifier**

· **Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV**

· **Article number:** HR030-LV Kit
· **Application of the substance / the mixture** Coating

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
SEM Products Inc.

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2 Hazard(s) identification

· **Classification of the substance or mixture**

GHS02 Flame

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

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 GHS07

· **Signal word** Danger

· **Hazard-determining components of labeling:**
4-chloro-alpha,alpha,alpha-trifluorotoluene

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Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV

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HDI Prepolymer
acetone
n-butyl acetate
bis(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.
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.
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.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
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.
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/shower.
P304+P341 If inhaled: If breathing is difficult, 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.
P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.
P363 Wash contaminated clothing before reuse.
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 = 2
Fire = 3
Reactivity = 0

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Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV

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· **HMIS-ratings (scale 0 - 4)**

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

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

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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	30-40%
67-64-1	acetone	13-30%
123-86-4	n-butyl acetate	5-7%
28182-81-2	HDI Prepolymer	5-7%
112926-00-8	precipitated Silica (Silica-Amorphous)	1.5-5%
112-07-2	2-butoxyethyl acetate	1.5-5%
7429-90-5	aluminium	1.5-5%
110-43-0	heptan-2-one	1.5-5%
108-83-8	2,6-dimethylheptan-4-one	1.5-5%
1330-20-7	xylene	1-1.5%
41556-26-7	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate	≥0.1-<1%

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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.

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Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV

(Contd. of page 3)

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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** No further relevant information available.
· **Advice for firefighters**
· **Protective equipment:** No special measures required.

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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.
· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
67-64-1	acetone	200 ppm
123-86-4	n-butyl acetate	5 ppm
28182-81-2	HDI Prepolymer	7.8 mg/m³
112926-00-8	precipitated Silica (Silica-Amorphous)	18 mg/m³
112-07-2	2-butoxyethyl acetate	15 ppm
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/m³
25322-68-3	Polyethylene glycol	30 mg/m³
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 ppm
28182-81-2	HDI Prepolymer	86 mg/m³
112926-00-8	precipitated Silica (Silica-Amorphous)	200 mg/m³
112-07-2	2-butoxyethyl acetate	35 ppm
110-43-0	heptan-2-one	670 ppm

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Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV

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108-83-8	2,6-dimethylheptan-4-one	330 ppm
1330-20-7	xylene	920* ppm
1333-86-4	Carbon black	99 mg/m³
9002-88-4	Polyethylene low density	170 mg/m³
25322-68-3	Polyethylene glycol	1,300 mg/m³
78-83-1	butanol	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
28182-81-2	HDI Prepolymer	510 mg/m³
112926-00-8	precipitated Silica (Silica-Amorphous)	1,200 mg/m³
112-07-2	2-butoxyethyl acetate	210 ppm
110-43-0	heptan-2-one	4000* ppm
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
1330-20-7	xylene	2500* ppm
1333-86-4	Carbon black	590 mg/m³
9002-88-4	Polyethylene low density	1,000 mg/m³
25322-68-3	Polyethylene glycol	7,700 mg/m³
78-83-1	butanol	8000* ppm
100-41-4	ethylbenzene	1800* ppm

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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.

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8 Exposure controls/personal protection

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

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Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV

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· **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.

67-64-1 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	Long-term value: 950 mg/m³, 200 ppm
TLV	Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 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

112-07-2 2-butoxyethyl acetate	
REL	Long-term value: 33 mg/m³, 5 ppm
TLV	Long-term value: 130 mg/m³, 20 ppm

110-43-0 heptan-2-one	
PEL	Long-term value: 465 mg/m³, 100 ppm
REL	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

1330-20-7 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)

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Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV

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1330-20-7 xylene	
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

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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.

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Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV

(Contd. of page 7)

· **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.
· **Danger of explosion:**	In use, may form flammable/explosive vapour-air mixture.
· **Explosion limits:**	
Lower:	2.6 Vol %
Upper:	13 Vol %
· **Vapor pressure at 20 °C:**	233 hPa
· **Density at 20 °C:**	0.97 g/cm³
· **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:	67.2 %
VOC content:	15.15 % 265.6 g/l / 2.22 lb/gl
Solids content:	45.5 %
· **Other information**	No further relevant information available.

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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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Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV

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11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**		
28182-81-2 HDI Prepolymer		
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:
Harmful
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
1330-20-7	xylene	3
1333-86-4	Carbon black	2B
9002-88-4	Polyethylene low density	3
100-41-4	ethylbenzene	2B

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

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

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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.

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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.

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14 Transport information

· **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**	
· **Class**	3 Flammable liquids
· **Label**	3
· **ADR, IMDG, IATA**	
· **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:**	F-E,S-E
· **Stowage Category**	B
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.

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Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV

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· **Transport/Additional information:**

· **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

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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):**

	Acrylic Resin
112-07-2	2-butoxyethyl acetate
7429-90-5	aluminium
1330-20-7	xylene
100-41-4	ethylbenzene

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

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
67-64-1	acetone
123-86-4	n-butyl acetate
28182-81-2	HDI Prepolymer
9004-36-8	Cellulose Acetate Butyrate
112-07-2	2-butoxyethyl acetate
7429-90-5	aluminium
110-43-0	heptan-2-one
108-83-8	2,6-dimethylheptan-4-one
1330-20-7	xylene
19549-80-5	4,6-dimethylheptan-2-one
41556-26-7	bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate
1333-86-4	Carbon black

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Trade name: HR030-LV Hot Rod Smoke Kit with HR034-LV, HRC06-LV & HRR06-LV

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9002-88-4	Polyethylene low density
104810-48-2	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]-1-oxopropyl]-ω-[3-[3-(2H- benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]-
82919-37-7	Methyl (1,2,2,6,6,- pentamethyl-4-piperidinyl) sebacate
9038-95-3	OXIRANE,ME, POLYMER
25322-68-3	Polyethylene glycol
78-83-1	butanol
100-41-4	ethylbenzene
106-79-6	Dimethyl sebacate(Impurity)
2403-89-6	4-Piperidinol, 1,2,2,6,6 pentamethyl- (Impurity)

· **TSCA new (21st Century Act) (Substances not listed)**

112926-00-8	precipitated Silica (Silica-Amorphous)

· **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	I
1330-20-7	xylene	I
100-41-4	ethylbenzene	D

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

67-64-1	acetone	A4
112-07-2	2-butoxyethyl acetate	A3
7429-90-5	aluminium	A4
1330-20-7	xylene	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).

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(Contd. of page 12)

· **Hazard pictograms**

GHS02 GHS08 GHS07

· **Signal word** Danger

· **Hazard-determining components of labeling:**
4-chloro-alpha,alpha,alpha-trifluorotoluene
HDI Prepolymer
acetone
n-butyl acetate
bis(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.
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.
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.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
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.
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/ shower.
P304+P341	If inhaled: If breathing is difficult, 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.
P342+P311	If experiencing respiratory symptoms: Call a poison center/doctor.
P363	Wash contaminated clothing before reuse.
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.

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P501 Dispose of contents/container in accordance with local/regional/national/international 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:** Rita Joiner
· **Date of preparation / last revision** 03/14/2018 / 6
· **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.**