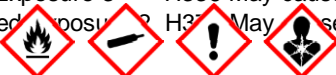


**1 Identification of the substance and manufacturer**

Trade name: Cool It® Thermo-Tec Hi-Heat Coating™  
 Product code: 12001  
 Recommended use: Paint and coatings application.  
 Uses advised against: Any that differs from the recommended use.  
 Manufacturer: Thermo-Tec Automotive, Inc.  
 488 US Highway 250  
 Greenwich, OH 44837 USA  
 phone: 800-274-8437  
[www.thermotec.com](http://www.thermotec.com)  
 Emergency telephone number: 1-800-255-3924

**2 Hazard(s) identification**

Classification of the substance or mixture  
 Flammable Aerosols 1 H222 Extremely flammable aerosol.  
 Gases under Pressure - Liquefied gas H280 Contains gas under pressure; may explode if heated.  
 Skin Irritation 2 H315 Causes skin irritation.  
 Eye Irritation 2A H319 Causes serious eye irritation.  
 Toxic to Reproduction 1B H360 May damage fertility or the unborn child.  
 Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.  
 Specific Target Organ Toxicity - Repeated Exposure 3 H373 May cause damage to organs through prolonged or repeated exposure.  
 Additional information:  
 GHS Hazard pictograms 

GHS02 GHS04 GHS07 GHS08

Signal word  
Hazard statements

Danger  
 Extremely flammable aerosol.  
 Contains gas under pressure; may explode if heated.  
 Causes skin irritation.

Precautionary statements

Causes serious eye irritation.  
 May damage fertility or the unborn child.  
 May cause drowsiness or dizziness.  
 May cause damage to organs through prolonged or repeated exposure.  
 Obtain special instructions before use.  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Do not spray on an open flame or other ignition source.  
 Pressurized container: Do not pierce or burn, even after use.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wash thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Call a poison center/doctor if you feel unwell.  
 Store in a well-ventilated place.  
 Store locked up.  
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

**3 Composition/information on ingredients**

Chemical characterization: Mixtures

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:

Dangerous components:		
108-88-3	Toluene	25-50%
74-98-6	propane	15-25%
67-64-1	Acetone	15-25%
106-97-8	n-butane	10-15%
7727-43-7	barium sulfate	5-10%
64742-89-8	VM&P Naphtha	1-5%
1330-20-7	xylene (mix)	1-5%

**4 First-aid measures**

After inhalation: Supply fresh air; consult doctor in case of complaints.  
 After skin contact: Remove contaminated clothing. Wash exposed area with soap and water.  
 After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.  
 After swallowing: Rinse mouth with water. Do not induce vomiting.  
 Most important symptoms and effects: Dizziness

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Indication of any immediate medical attention needed: No further relevant information available.

**5 Fire-fighting measures**

Extinguishing agents: CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.  
 Special hazards: Can form explosive gas-air mixtures.  
 Protective equipment for firefighters: A respiratory protective device may be necessary.

**6 Accidental release measures**

Personal precautions, protective equipment and emergency procedures: Use respiratory protective device against the effects of fumes/dust/aerosol.  
 Methods and material for containment and cleaning up: Dispose contaminated material as waste according to section 13.

**7 Handling and storage**

Precautions for safe handling: Use only in well ventilated areas.  
 Storage requirements: Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

**8 Exposure controls/personal protection**

Components with limit values that require monitoring at the workplace:

## 108-88-3 Toluene

PEL (USA) Long-term value: 200 ppm  
 Ceiling limit value: 300; 500\* ppm  
 \*10-min peak per 8-hr shift  
 REL (USA) Short-term value: 560 mg/m<sup>3</sup>, 150 ppm  
 Long-term value: 375 mg/m<sup>3</sup>, 100 ppm  
 TLV (USA) Long-term value: 20 ppm  
 BEI, OTO, A4

## 74-98-6 propane

PEL (USA) Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm  
 REL (USA) Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm  
 TLV (USA) see Appendix F Minimal oxygen content ( D, EX)

## 67-64-1 Acetone

PEL (USA) Long-term value: 2400 mg/m<sup>3</sup>, 1000 ppm  
 REL (USA) Long-term value: 590 mg/m<sup>3</sup>, 250 ppm  
 TLV (USA) Short-term value: 500 ppm  
 Long-term value: 250 ppm  
 A4, BEI

## 106-97-8 n-butane

REL (USA) Long-term value: 1900 mg/m<sup>3</sup>, 800 ppm  
 TLV (USA) Short-term value: 1000 ppm  
 (EX)

## 7727-43-7 barium sulfate

PEL (USA) Long-term value: 15\* 5\*\* mg/m<sup>3</sup>  
 \*total dust \*\*respirable fraction  
 REL (USA) Long-term value: 10\* 5\*\* mg/m<sup>3</sup>  
 \*total dust \*\*respirable fraction  
 TLV (USA) Long-term value: 5\* mg/m<sup>3</sup>  
 \*inhalable fraction; E

## 1330-20-7 xylene (mix)

PEL (USA) Long-term value: 435 mg/m<sup>3</sup>, 100 ppm  
 REL (USA) Short-term value: 655 mg/m<sup>3</sup>, 150 ppm  
 Long-term value: 435 mg/m<sup>3</sup>, 100 ppm  
 TLV (USA) Short-term value: (150) ppm  
 Long-term value: (100) NIC-20 ppm  
 BEI, A4

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## Ingredients with biological limit values:

## 108-88-3 Toluene

BEI (USA) 0.02 mg/L  
 Medium: blood  
 Time: prior to last shift of workweek  
 Parameter: Toluene

0.03 mg/L  
 Medium: urine  
 Time: end of shift  
 Parameter: Toluene

0.3 mg/g creatinine  
 Medium: urine  
 Time: end of shift  
 Parameter: o-Cresol with hydrolysis (background)

## 67-64-1 Acetone

BEI (USA) 25 mg/L Medium:  
 urine Time: end  
 of shift  
 Parameter: Acetone (nonspecific)

## 1330-20-7 xylene (mix)

BEI (USA) 1.5 g/g creatinine  
 Medium: urine  
 Time: end of shift  
 Parameter: Methylhippuric acids

**Hygienic protection:** Immediately remove all soiled and contaminated clothing.  
 Wash hands after use.  
 Store protective clothing separately.  
 Avoid contact with the skin.  
 Avoid contact with the eyes and skin.  
 Do not eat or drink while working.

**Breathing equipment:** A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

**Hand protection:** Nitrile gloves.  
 The glove material must be impermeable and resistant to the substance.

**Eye protection:** Tightly sealed goggles

## 9 Physical and chemical properties

**Appearance:** Aerosol.  
**Odor:** Aromatic  
**Odor threshold:** Not determined.  
**pH-value:** Not determined.  
**Melting point/Melting range** Undetermined.  
**Boiling point:** -44 °C (-47.2 °F)  
**Flash point:** -19 °C (-2.2 °F)  
**Flammability (solid, gas):** Extremely flammable.  
**Decomposition temperature:** Not determined.  
**Auto igniting:** Product is not self-igniting.  
**Danger of explosion:** In use, may form flammable/explosive vapour-air mixture.  
**Lower Explosion Limit:** 1.5 Vol %  
**Upper Explosion Limit:** 10.9 Vol %  
**Vapor pressure:** Not determined.  
**Relative Density:** Between 0.77 and 0.85 (Water equals 1.00)  
**Vapor density** Not determined.  
**Evaporation rate** Not applicable.  
**Partition coefficient: n-octanol/water:** Not determined.  
**Solubility:** Not determined.  
**Viscosity:** Not determined.  
**Water:** 0.0 %

## 10 Stability and reactivity

**Reactivity:** Stable at normal temperatures.  
**Conditions to avoid:** Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.  
**Chemical stability:** Not fully evaluated.  
**Possibility of hazardous reactions:** No dangerous reactions known.

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Incompatible materials: No further relevant information available.  
 Hazardous decomposition: No dangerous decomposition products known.

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**11 Toxicological information**

LD/LC50 values that are relevant for classification:

1330-20-7 xylene (mix)

Oral	LD50	8,700 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rbt)
Inhalative	LC50/4 h	6,350 mg/l (rat)

Information on toxicological effects: No data available.  
 Skin effects: Irritant to skin and mucous membranes.  
 Eye effects: No irritating effect.  
 Sensitization: No sensitizing effects known.

**12 Ecological information**

Aquatic toxicity: Hazardous for water, do not empty into drains.  
 Persistence and degradability: The product is degradable after prolonged exposure to natural weathering processes.  
 Other information: This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), heavy metals (chromium, lead, cadmium), or chlorinated solvents.  
 Bioaccumulative potential: No further relevant information available.  
 Mobility in soil: No further relevant information available.  
 Other adverse effects: No further relevant information available.

**13 Disposal considerations**

Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.  
 Recommendation: Completely empty cans should be recycled.

**14 Transport information**

UN-Number	UN1950
DOT	UN1950
DOT	DOT
ADR	Aerosols, flammable
Transport hazard class(es):	1950 Aerosols
Class	2.1 Gases
Marine pollutant:	No
Special precautions for user:	Warning: Gases
EMS Number:	F-D,S-U
Packaging Group:	--
UN "Model Regulation":	UN1950, Aerosols, 2.1

**15 Regulatory information**

SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

108-88-3	Toluene
7727-43-7	barium sulfate
1330-20-7	xylene (mix)
7779-90-0	zinc phosphate

Toxic Substances Control Act (TSCA): All hazardous ingredients are found on the inventory list of substances.  
 Canadian Domestic Substances List (DSL): All ingredients are listed or exempted.  
 Consumer Product Safety Commission (CPSC): This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

California Proposition 65 chemicals known to cause cancer:

100-41-4	ethyl benzene
1333-86-4	Carbon black
108-10-1	methyl isobutyl ketone

Prop 65 chemicals known to cause birth defects or reproductive harm:

108-88-3	Toluene
108-10-1	methyl isobutyl ketone

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## EPA:

67-64-1	Acetone	I
7727-43-7	barium sulfate	D, CBD(inh), NL(oral)
1330-20-7	xylene (mix)	I
7779-90-0	zinc phosphate	D, I, II

**16 Other information**

Contact: Regulatory Affairs