

## 1 Identification

- **Product identifier**
- **Trade name:** Eastwood EW10046ZP Detail Gray
- **Article number:** EW-10046ZP
- **Application of the substance / the mixture** Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 The Eastwood Company  
 263 Shoemaker Road  
 Pottstown, PA 19464  
 800 343 9353
- **Information department:**
- **Emergency telephone number:** CHEMTREC 1-800-424-9300

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

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



GHS08 Health hazard

Muta. 1B H340      May cause genetic defects.

Carc. 1B H350      May cause cancer.

Repr. 2 H361      Suspected of damaging fertility or the unborn child.

STOT RE 2 H373      May cause damage to organs through prolonged or repeated exposure.



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



GHS07



GHS08

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· **Signal word** *Danger*· **Hazard-determining components of labeling:***toluene**Stoddard solvent**Alkyd Resin**pentan-2-one**2-butanone oxime*· **Hazard statements***H225 Highly flammable liquid and vapor.**H315 Causes skin irritation.**H319 Causes serious eye irritation.**H317 May cause an allergic skin reaction.**H340 May cause genetic defects.**H350 May cause cancer.**H361 Suspected of damaging fertility or the unborn child.**H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.**H373 May cause damage to organs through prolonged or repeated exposure.*· **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.**P280 Wear protective gloves/protective clothing/eye protection/face protection.**P240 Ground/bond container and receiving equipment.**P242 Use only non-sparking tools.**P243 Take precautionary measures against static discharge.**P264 Wash thoroughly after handling.**P271 Use only outdoors or in a well-ventilated area.**P272 Contaminated work clothing must not be allowed out of the workplace.**P201 Obtain special instructions before use.**P202 Do not handle until all safety precautions have been read and understood.**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).**P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.**P312 Call a POISON CENTER/doctor if you feel unwell.**P363 Wash contaminated clothing before reuse.**P308+P313 IF exposed or concerned: Get medical advice/attention.**P333+P313 If skin irritation or rash occurs: Get medical advice/attention.**P337+P313 If eye irritation persists: Get medical advice/attention.**P314 Get medical advice/attention if you feel unwell.**P370+P378 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.**P362+P364 Take off contaminated clothing and wash it before reuse.**P405 Store locked up.**P403+P233 Store in a well-ventilated place. Keep container tightly closed.**P403+P235 Store in a well-ventilated place. Keep cool.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

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 · **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

 · **Dangerous components:**

108-88-3	toluene	40 - 60%
	Alkyd Resin	13 - 30%
107-87-9	pentan-2-one	10 - 13%
14807-96-6	Talc	1.5 - 5%
7429-90-5	aluminium	1.5 - 5%
763-69-9	ethyl 3-ethoxypropionate	1.5 - 5%
112926-00-8	precipitated Silica (Silica-Amorphous)	1.5 - 5%
78-93-3	butanone	1-1.5%
108-10-1	4-methylpentan-2-one	≤1%
8052-41-3	Stoddard solvent	≤1%
96-29-7	2-butanone oxime	≤1%

### 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.

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- **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:**  
CO<sub>2</sub>, 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.

## 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-I:

108-88-3	toluene	67 ppm
107-87-9	pentan-2-one	150 ppm
763-69-9	ethyl 3-ethoxypropionate	1.6 ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	18 mg/m <sup>3</sup>
78-93-3	butanone	200 ppm
108-10-1	4-methylpentan-2-one	75 ppm
8052-41-3	Stoddard solvent	300 mg/m <sup>3</sup>
123-86-4	n-butyl acetate	5 ppm
96-29-7	2-butanone oxime	30 ppm
111-76-2	2-butoxyethanol	60 ppm
1333-86-4	Carbon black	9 mg/m <sup>3</sup>
1330-20-7	xylene	130 ppm
100-41-4	ethylbenzene	33 ppm
111-77-3	2-(2-methoxyethoxy)ethanol	3.4 ppm
107-98-2	1-methoxy-2-propanol	100 ppm
149-57-5	2-ethylhexanoic acid	15 mg/m <sup>3</sup>

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7447-41-8	lithium chloride	2.3 mg/m3
<b>· PAC-2:</b>		
108-88-3	toluene	560 ppm
107-87-9	pentan-2-one	830 ppm
763-69-9	ethyl 3-ethoxypropionate	18 ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	200 mg/m3
78-93-3	butanone	2700* ppm
108-10-1	4-methylpentan-2-one	500 ppm
8052-41-3	Stoddard solvent	1,800 mg/m3
123-86-4	n-butyl acetate	200 ppm
96-29-7	2-butanone oxime	56 ppm
111-76-2	2-butoxyethanol	120 ppm
1333-86-4	Carbon black	99 mg/m3
1330-20-7	xylene	920* ppm
100-41-4	ethylbenzene	1100* ppm
111-77-3	2-(2-methoxyethoxy)ethanol	37 ppm
107-98-2	1-methoxy-2-propanol	160 ppm
149-57-5	2-ethylhexanoic acid	99 mg/m3
7447-41-8	lithium chloride	25 mg/m3

<b>· PAC-3:</b>		
108-88-3	toluene	3700* ppm
107-87-9	pentan-2-one	5000* ppm
763-69-9	ethyl 3-ethoxypropionate	110 ppm
112926-00-8	precipitated Silica (Silica-Amorphous)	1,200 mg/m3
78-93-3	butanone	4000* ppm
108-10-1	4-methylpentan-2-one	3000* ppm
8052-41-3	Stoddard solvent	29500** mg/m3
123-86-4	n-butyl acetate	3000* ppm
96-29-7	2-butanone oxime	250 ppm
111-76-2	2-butoxyethanol	700 ppm
1333-86-4	Carbon black	590 mg/m3
1330-20-7	xylene	2500* ppm
100-41-4	ethylbenzene	1800* ppm
111-77-3	2-(2-methoxyethoxy)ethanol	220 ppm
107-98-2	1-methoxy-2-propanol	660 ppm
149-57-5	2-ethylhexanoic acid	590 mg/m3
7447-41-8	lithium chloride	150 mg/m3

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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.

## 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 other constituents have no known exposure limits.

### 108-88-3 toluene

PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 75 mg/m <sup>3</sup> , 20 ppm BEI

### 107-87-9 pentan-2-one

PEL	Long-term value: 700 mg/m <sup>3</sup> , 200 ppm
REL	Long-term value: 530 mg/m <sup>3</sup> , 150 ppm
TLV	Short-term value: 529 mg/m <sup>3</sup> , 150 ppm

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

PEL	20mppcf or 80mg/m <sup>3</sup> /%SiO <sub>2</sub>
REL	Long-term value: 6 mg/m <sup>3</sup> See Pocket Guide App. C
TLV	TLV withdrawn

### 78-93-3 butanone

PEL	Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
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REL	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
TLV	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm BEI
<b>108-10-1 4-methylpentan-2-one</b>	
PEL	Long-term value: 410 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 300 mg/m <sup>3</sup> , 75 ppm Long-term value: 205 mg/m <sup>3</sup> , 50 ppm
TLV	Short-term value: 307 mg/m <sup>3</sup> , 75 ppm Long-term value: 82 mg/m <sup>3</sup> , 20 ppm BEI
<b>8052-41-3 Stoddard solvent</b>	
PEL	Long-term value: 2900 mg/m <sup>3</sup> , 500 ppm
REL	Long-term value: 350 mg/m <sup>3</sup> Ceiling limit value: 1800* mg/m <sup>3</sup> *15-min
TLV	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
<b>96-29-7 2-butanone oxime</b>	
WEEL	Long-term value: 10 ppm DSEN

**· Ingredients with biological limit values:****108-88-3 toluene**

BEI	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)

**78-93-3 butanone**

BEI	2 mg/L Medium: urine Time: end of shift Parameter: MEK
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**108-10-1 4-methylpentan-2-one**

BEI	1 mg/L Medium: urine Time: end of shift Parameter: MIBK
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· **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.

Store protective clothing separately.

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 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:** 110 °C

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· <b>Flash point:</b>	7 °C
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	505 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	In use, may form flammable/explosive vapour-air mixture.
· <b>Explosion limits:</b>	
Lower:	1.2 Vol %
Upper:	8.2 Vol %
· <b>Vapor pressure at 20 °C:</b>	29 hPa
· <b>Density at 20 °C:</b>	0.99305 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	61.6 %
VOC content:	61.6 %
	611.4 g/l / 5.10 lb/gal
· <b>Solids content:</b>	39.3 %
· <b>Other information</b>	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:**· **LD/LC50 values that are relevant for classification:****108-88-3 toluene**

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

· **Primary irritant effect:**· **on the skin:** Irritant to skin and mucous membranes.· **on the eye:** Irritating effect.· **Sensitization:** Sensitization possible through skin contact.· **Additional toxicological information:**The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

The product can cause inheritable damage.

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

108-88-3	toluene	3
14807-96-6	Talc	3
108-10-1	4-methylpentan-2-one	2B
	BENTONITE	suspected carcinogen <2% 14808-60-7
111-76-2	2-butoxyethanol	3
1333-86-4	Carbon black	2B
1330-20-7	xylene	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.

**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.

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

### 14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1993
- **UN proper shipping name**
- **DOT** Flammable liquids, n.o.s. (toluene, Methyl propyl ketone)
- **ADR** 1993 Flammable liquids, n.o.s. (toluene, Methyl propyl ketone), special provision 640D
- **IMDG, IATA** FLAMMABLE LIQUID, N.O.S. (toluene, METHYL PROPYL KETONE)
- **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

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· <b>Stowage Category</b>	B
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>DOT</b>	
· <b>Quantity limitations</b>	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· <b>ADR</b>	
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1993 FLAMMABLE LIQUIDS, N.O.S., SPECIAL PROVISION 640D (TOLUENE, METHYL PROPYL KETONE), 3, II

## 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):

108-88-3	toluene
14807-96-6	Talc
7429-90-5	aluminium
78-93-3	butanone
108-10-1	4-methylpentan-2-one
	Acrylic Resin
111-76-2	2-butoxyethanol
1330-20-7	xylene
	COBALT CARBOXYLATE
100-41-4	ethylbenzene
111-77-3	2-(2-methoxyethoxy)ethanol

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

108-88-3	toluene
107-87-9	pentan-2-one
14807-96-6	Talc
7429-90-5	aluminium

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763-69-9	ethyl 3-ethoxypropionate
78-93-3	butanone
108-10-1	4-methylpentan-2-one
8052-41-3	Stoddard solvent
123-86-4	n-butyl acetate
96-29-7	2-butanone oxime
64742-88-7	Solvent naphtha (petroleum), medium aliph.
111-76-2	2-butoxyethanol
1333-86-4	Carbon black
1330-20-7	xylene
5567-15-7	Novaperm yellow HR02
59487-23-9	HF4B Red Pigment
100-41-4	ethylbenzene
111-77-3	2-(2-methoxyethoxy)ethanol
107-98-2	1-methoxy-2-propanol
149-57-5	2-ethylhexanoic acid
7447-41-8	lithium chloride
61791-55-7	Amines, N-tallow alkyltrimethylenedi-

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

108-10-1	4-methylpentan-2-one
1333-86-4	Carbon black
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:**

108-88-3	toluene
108-10-1	4-methylpentan-2-one

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

108-88-3	toluene	II
78-93-3	butanone	I
108-10-1	4-methylpentan-2-one	I
111-76-2	2-butoxyethanol	NL
1330-20-7	xylene	I
100-41-4	ethylbenzene	D

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

108-88-3	toluene	A4
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14807-96-6	Talc	A4
7429-90-5	aluminium	A4
111-76-2	2-butoxyethanol	A3
1333-86-4	Carbon black	A4
1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3

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

1333-86-4	Carbon black
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· **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:**

toluene

Stoddard solvent

Alkyd Resin

pentan-2-one

2-butanone oxime

· **Hazard statements**

H225      Highly flammable liquid and vapor.

H315      Causes skin irritation.

H319      Causes serious eye irritation.

H317      May cause an allergic skin reaction.

H340      May cause genetic defects.

H350      May cause cancer.

H361      Suspected of damaging fertility or the unborn child.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

H373      May cause damage to organs through prolonged or repeated exposure.

· **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.

P280      Wear protective gloves/protective clothing/eye protection/face protection.

P240      Ground/bond container and receiving equipment.

P242      Use only non-sparking tools.

P243      Take precautionary measures against static discharge.

P264      Wash thoroughly after handling.

P271      Use only outdoors or in a well-ventilated area.

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

P201      Obtain special instructions before use.

P202      Do not handle until all safety precautions have been read and understood.

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.

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P321 Specific treatment (see on this label).  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P363 Wash contaminated clothing before reuse.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P314 Get medical advice/attention if you feel unwell.  
 P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P405 Store locked up.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 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.

• **Date of preparation / last revision** 04/11/2017 / 4

• **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

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USA



**Safety Data Sheet**  
**acc. to OSHA HCS**

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*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*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*Muta. 1B: Germ cell mutagenicity – Category 1B*  
*Carc. 1B: Carcinogenicity – Category 1B*  
*Repr. 2: Reproductive toxicity – Category 2*  
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*  
*STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2*  
**. \* Data compared to the previous version altered.**

USA