

Safety Data Sheet

Printing date 11/21/2018

Revised On 01/20/2017

1 Identification of the substance and manufacturer

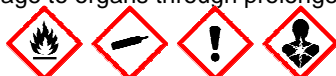
Trade name: TOOLMAKER'S LAYOUT IN REMOVER
 Product code: KB00080512
 Recommended use: Paint and coating applications.
 Uses advised against: Any that differs from the recommended use.
 Manufacturer/Supplier: Kimball Midwest
 4800 Roberts Road
 Columbus, OH 43228
 800-233-1294
 www.kimballmidwest.com
 Emergency telephone number: ChemTrec: 800-424-9300

2 Hazard(s) identification

Classification of the substance or mixture

Flam. Aerosol 1 H222 Extremely flammable aerosol.
 Press. Gas H280 Contains gas under pressure; may explode if heated.
 Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2A H319 Causes serious eye irritation.
 Repr. 1A H360 May damage fertility or the unborn child.
 STOT SE 3 H336 May cause drowsiness or dizziness.
 STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

GHS Hazard pictograms



GHS02 GHS04 GHS07 GHS08

Signal word

Danger

Hazard statements

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

Precautionary statements

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 hands 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.
 If eye irritation persists: Get medical advice/attention.
 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:

67-64-1	Acetone	50.13%
108-88-3	Toluene	24.23%
1330-20-7	xylene (mix)	9.38%
74-98-6	propane	6.3%
2807-30-9	Glycol Ether EP	4.6%
106-97-8	n-butane	3.7%
100-41-4	ethyl benzene	1.65%

4 First-aid measures

General information:

Symptoms of poisoning may occur even after several hours. Medical observation for at least 48 hours after the accident is recommended.

After inhalation:

Supply fresh air. If necessary, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:

Supply fresh air; consult doctor in case of complaints.

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Remove contaminated clothing. Wash exposed area with soap and water.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

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.

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5 Fire-fighting measures

Extinguishing agents:

CO2, 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:

Wear protective equipment. Keep unprotected persons away.
Use respiratory protective device against the effects of fumes/dust/aerosol.

Methods and material for containment and cleaning up:

Ensure adequate ventilation.
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:

67-64-1 Acetone

PEL (USA)	Long-term value: 2400 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 590 mg/m ³ , 250 ppm
TLV (USA)	Short-term value: 1187 mg/m ³ , 500 ppm
	Long-term value: 594 mg/m ³ , 250 ppm
	BEI

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 ³ , 150 ppm
	Long-term value: 375 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 75 mg/m ³ , 20 ppm
	BEI

1330-20-7 xylene (mix)

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

74-98-6 propane

PEL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV (USA)	refer to Appendix F in TLVs&BEIs book; D, EX

106-97-8 n-butane

REL (USA)	Long-term value: 1900 mg/m ³ , 800 ppm
TLV (USA)	Short-term value: 2370 mg/m ³ , 1000 ppm
	(EX)

100-41-4 ethyl benzene

EL (USA)	Long-term value: 20 ppm
	IARC 2B
PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 545 mg/m ³ , 125 ppm
	Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 87 mg/m ³ , 20 ppm
	BEI

Ingredients with biological limit values:

67-64-1 Acetone

BEI (USA)	50 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

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100-41-4 ethyl benzene

BEI (USA)	0.7 g/g creatinine
	Medium: urine
	Time: end of shift at end of workweek
	Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
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	Medium: end-exhaled air
	Time: not critical
	Parameter: Ethyl benzene (semi-quantitative)

Hygienic protection:	Keep away from foodstuffs and animal feed. Wash hands after use. Immediately remove all soiled and contaminated clothing. Wash hands after use. Store protective clothing separately. 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:	1.8 Vol %
Upper Explosion Limit:	11.5 Vol %
Vapor pressure at 20 °C (68 °F):	233 hPa (174.8 mm Hg)
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.

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

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)

106-97-8 n-butane

Inhalative	LC50/4 h	658 mg/l (rat)
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100-41-4 ethyl benzene

Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rbt)

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

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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	N/A
DOT	UN1950
ADR	Consumer Commodity ORM-D
Transport hazard class(es):	Aerosols
Class	1950 Aerosols
Marine pollutant:	2.1
Special precautions for user:	No
EMS Number:	Warning: Gases
Quantity limitations	F-D,S-U
	On passenger aircraft/rail: 75 kg
	On cargo aircraft only: 150 kg
ADR	
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
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
1330-20-7	xylene (mix)
100-41-4	ethyl benzene

Toxic Substances Control Act (TSCA):

All hazardous ingredients for this product are found on the inventory list of substances.

Consumer Product Safety**Comission (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
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California Proposition 65 chemicals known to cause birth defects or reproductive harm:

108-88-3	Toluene
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CANADIAN ENVIRONMENTAL PROTECTION ACT:**Canadian WHMIS:**All hazardous ingredients for this product appear on the Canadian Domestic Substance List.
D2A**EPA:**

67-64-1	Acetone	I
1330-20-7	xylene (mix)	I
100-41-4	ethyl benzene	D

16 Other information**Contact:** Regulatory Affairs