

SAFETY DATA SHEET

Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name or designation of the mixture 905 TR Mold Prep Cleaner

Registration number -

Synonyms None.

Date of first issue 30-March-2011

Version number 01

Revision date -

Supersedes date -

Relevant identified uses of the substance or mixture and uses advised against

Identified uses Sealant.

Uses advised against None known.

Details of the supplier of the safety data sheet

Supplier

Company name TR Industries
Address 11022 Vulcan Street
South Gate, CA 90280-0893
United States

Telephone: (562) 923-5438

Contact person Not available.

CHEMTREC: (800) 424-9300

CHEMTREC International 00 1-703-527-3887

Section 2: Hazards identification

Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification F;R11, Xn;R65-48/20, Xi;R36/38, R52/53

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Flammable liquids	Category 2	Highly flammable liquid and vapour.
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Health hazards

Skin corrosion/irritation	Category 2	Causes skin irritation.
Serious eye damage/eye irritation	Category 2	Causes serious eye irritation.
Reproductive toxicity	Category 2	Suspected of damaging fertility. Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	Category 2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Category 1	May be fatal if swallowed and enters airways.

Hazard summary

Physical hazards Highly flammable.

Health hazards Irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed. Occupational exposure to the substance or mixture may cause adverse health effects.

Environmental hazards Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Specific hazards Not available.

Main symptoms Irritant effects. Central nervous system depression.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: 2-Butanone (Methyl ethyl ketone), Toluene



Signal word Danger

Hazard statements Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes serious eye irritation. Causes skin irritation. May cause drowsiness or dizziness. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ground/bond container and receiving equipment. Avoid breathing gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Obtain special instructions before use. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood.

Response In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Wash thoroughly after handling. IF exposed or concerned: Get medical advice/attention.

Storage Store in a well-ventilated place. Keep cool. Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None.

Other hazards Not assigned.

Section 3: Composition/information on ingredients

Mixture

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Toluene	50 - 52	108-88-3 203-625-9	-	601-021-00-3	#
Classification:	DSD: F;R11, Repr. Cat. 3;R63, Xn;R65-48/20, Xi;R38, R67				
	CLP: Flam. Liq. 2;H225, Asp. Tox. 1;H304, Acute Tox. 1;H310, Skin Irrit. 2;H315, STOT SE 3;H336, Repr. 2;H361d, STOT RE 2;H373, Aquatic Chronic 2;H411				
2-Butanone (Methyl ethyl ketone)	48 - 50	78-93-3 201-159-0	-	606-002-00-3	#
Classification:	DSD: F;R11, Xi;R36, R66-67				
	CLP: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336				

Composition comments Components not listed are either non-hazardous or are below reportable limits. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Section 4: First aid measures

General information

Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

Description of first aid measures

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Skin contact Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing separately before reuse. Get medical attention. Destroy or thoroughly clean contaminated shoes.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Get medical attention.

Ingestion

DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed

Irritant effects. Central nervous system depression. May cause abdominal pain with vomiting, nausea, diarrhoea, or dizziness.

Indication of any immediate medical attention and special treatment needed

Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Section 5: Firefighting measures

General fire hazards

Flammable liquid and vapour. Heat may cause the containers to explode.

Extinguishing media

Suitable extinguishing media

Water. Water spray. Foam. Dry powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

None known.

Special hazards arising from the substance or mixture

Material will float and may ignite on surface of water. Vapors may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

Advice for firefighters

Special protective equipment for firefighters

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Special firefighting procedures

Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

See Section 8 for personal protective equipment.

For emergency responders

Keep unnecessary personnel away.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Large Spills: Cover with plastic sheet to prevent spreading. Following product recovery, flush area with water. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Small Spills: Absorb spill with vermiculite or other inert material. Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste.

Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage

Precautions for safe handling

Keep away from heat and sources of ignition. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Wear personal protective equipment. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

Specific end use(s)

Mold prep cleaner.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Austria. MAK List

Components	Type	Value
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2-Butanone (Methyl ethyl ketone) (78-93-3)	MAK	295 mg/m ³
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	STEL	100 ppm
		200 ppm

Toluene (108-88-3)	MAK	590 mg/m ³
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Austria. MAK List

Components	Type	Value
	STEL	190 mg/m ³ 380 mg/m ³ 100 ppm

Belgium. Exposure Limit Values.

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
	TWA	300 ppm 200 ppm
Toluene (108-88-3)	STEL	600 mg/m ³ 100 ppm
	TWA	384 mg/m ³ 192 mg/m ³ 50 ppm

Bulgaria. OELs. Regulation No 13 of Ministry of Labor & Social Policy, with Ministry of Health, on protection of workers related to exposure to chemical agents at work

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	885 mg/m ³
	TWA	590 mg/m ³
Toluene (108-88-3)	STEL	300 mg/m ³
	TWA	150 mg/m ³

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	TWA	200 ppm
		590 mg/m ³
Toluene (108-88-3)	TWA	100 ppm 375 mg/m ³

Czech Republic. OELs. Government Decree 361

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	Ceiling	900 mg/m ³
	TWA	600 mg/m ³
Toluene (108-88-3)	Ceiling	500 mg/m ³
	TWA	200 mg/m ³

Denmark. Exposure Limit Values

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	TLV	50 ppm
		145 mg/m ³
Toluene (108-88-3)	TLV	25 ppm 94 mg/m ³

Estonia. OELs. Occupational Exposure Limit Values for Hazardous Substances (Minister of Social Affairs Regulation No. 57)

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
	TWA	300 ppm 200 ppm
Toluene (108-88-3)	STEL	600 mg/m ³ 100 ppm
	TWA	400 mg/m ³ 200 mg/m ³ 50 ppm

Finland. Workplace Exposure Limits

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	300 mg/m ³
		100 ppm
Toluene (108-88-3)	STEL	100 ppm
		380 mg/m ³
	TWA	81 mg/m ³
		25 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	VLE	900 mg/m ³
		300 ppm
	VME	200 ppm
Toluene (108-88-3)	VLE	600 mg/m ³
		100 ppm
	VME	384 mg/m ³
		192 mg/m ³
		50 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	AGW	200 ppm
		600 mg/m ³
Toluene (108-88-3)	AGW	50 ppm
		190 mg/m ³

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
		300 ppm
	TWA	200 ppm
Toluene (108-88-3)	STEL	600 mg/m ³
		150 ppm
	TWA	560 mg/m ³
		375 mg/m ³
		100 ppm

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
	TWA	600 mg/m ³
Toluene (108-88-3)	STEL	380 mg/m ³
	TWA	190 mg/m ³

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
		300 ppm
	TWA	50 ppm
Toluene (108-88-3)	STEL	145 mg/m ³
		50 ppm
	TWA	188 mg/m ³
		94 mg/m ³
		25 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
		300 ppm
	TWA	200 ppm

Ireland. Occupational Exposure Limits

Components	Type	Value
Toluene (108-88-3)	STEL	600 mg/m ³ 100 ppm
	TWA	560 mg/m ³ 188 mg/m ³ 50 ppm

Italy. OELs

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
	TWA	300 ppm 200 ppm
Toluene (108-88-3)	TWA	600 mg/m ³ 50 ppm 192 mg/m ³

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
	TWA	300 ppm 200 ppm 200 mg/m ³
Toluene (108-88-3)	STEL	150 mg/m ³
	TWA	50 mg/m ³

Lithuania. OELs. Occupational Exposure Limit Values for Hazardous Chemical Substance Concentration, General Requirements (No. 645/169)

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
	TWA	300 ppm 200 ppm 600 mg/m ³
Toluene (108-88-3)	STEL	100 ppm 400 mg/m ³
	TWA	200 mg/m ³ 50 ppm

Luxembourg. OELs

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
	TWA	300 ppm 200 ppm 600 mg/m ³
Toluene (108-88-3)	STEL	100 ppm 384 mg/m ³
	TWA	192 mg/m ³ 50 ppm

Malta. OELs, Binding and Indicative Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
	TWA	300 ppm 600 mg/m ³ 200 ppm

Netherlands. OELs (binding)

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m ³
	TWA	590 mg/m ³
Toluene (108-88-3)	STEL	384 mg/m ³

Netherlands. OELs (binding)

Components	Type	Value
	TWA	150 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	TLV	75 ppm
Toluene (108-88-3)	TLV	220 mg/m3 25 ppm 94 mg/m3

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m3
Toluene (108-88-3)	TWA STEL TWA	450 mg/m3 200 mg/m3 100 mg/m3

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m3
Toluene (108-88-3)	TWA	300 ppm 600 mg/m3 200 ppm 50 ppm

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	300 mg/m3
Toluene (108-88-3)	TWA STEL TWA	101 ppm 200 ppm 200 mg/m3 100 ppm 384 mg/m3 192 mg/m3 50 ppm

Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	Ceiling TWA	900 mg/m3 200 ppm 600 mg/m3
Toluene (108-88-3)	Ceiling TWA	384 mg/m3 50 ppm 192 mg/m3

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	TWA	200 ppm
Toluene (108-88-3)	TWA	600 mg/m3 50 ppm 190 mg/m3

Spain. Occupational Exposure Limits

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	900 mg/m3
	TWA	300 ppm 200 ppm

Spain. Occupational Exposure Limits

Components	Type	Value
Toluene (108-88-3)	STEL	600 mg/m ³ 100 ppm
	TWA	384 mg/m ³ 192 mg/m ³ 50 ppm

Sweden. Occupational Exposure Limit Values

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	300 mg/m ³
	TWA	100 ppm 50 ppm
Toluene (108-88-3)	STEL	150 mg/m ³ 100 ppm
	TWA	400 mg/m ³ 200 mg/m ³ 50 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	590 mg/m ³
	TWA	200 ppm 200 ppm
Toluene (108-88-3)	STEL	590 mg/m ³ 200 ppm
	TWA	760 mg/m ³ 190 mg/m ³ 50 ppm

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (78-93-3)	STEL	899 mg/m ³
	TWA	300 ppm 200 ppm
Toluene (108-88-3)	STEL	600 mg/m ³ 100 ppm
	TWA	384 mg/m ³ 191 mg/m ³ 50 ppm

Biological limit values**Finland. HTP-arvot, App 2., Biological Limit Values, (BRA/BGV) , Social Affairs and Ministry of Health**

Components	Value	Determinant	Specimen	Sampling time
Toluene (108-88-3)	500 nmol/l	Toluene concentration	Blood	Sampling Date: The morning after the workday.

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)

Components	Value	Determinant	Specimen	Sampling time
2-Butanone (Methyl ethyl ketone) (78-93-3)	2 mg/l	Méthyléthylcétone	Urine	Sampling time: End of shift.
Toluene (108-88-3)	1 mg/l	Toluène	Venous blood	Sampling time: End of shift.
	2500 mg/g	Acide hippurique	Creatinine in urine	Sampling time: Last 4 hours of the shift.
	2500 mg/g	Acide hippurique	Creatinine in urine	Sampling time: End of shift.

UK. EH40 Biological Monitoring Guidance Values (BMGVs)

Components	Value	Determinant	Specimen	Sampling time
2-Butanone (Methyl ethyl ketone) (78-93-3)	70 umol/l	Butan-2-one	Urine	Sampling time: End of shift.

Recommended monitoring procedures	Not available.
DNEL	Not available.
PNEC	Not available.
Exposure controls	
Appropriate engineering controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment.
Individual protection measures, such as personal protective equipment	
General information	Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection	Wear approved safety glasses or goggles. Wear face shield if there is risk of splashes.
Skin protection	
- Hand protection	Chemical resistant gloves are recommended.
- Other	Wear suitable protective clothing and gloves.
Respiratory protection	Wear a CEN approved respirator, with appropriate cartridge or canister, suitable for airborne concentration levels present.
Thermal hazards	Not applicable.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practices. Provide eyewash station and safety shower.
Environmental exposure controls	Environmental manager must be informed of all major releases.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Clear, colorless liquid.
Physical state	Liquid.
Form	Liquid.
Colour	Colorless, clear.
Odour	Hydrocarbon.
Odour threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not available.
Boiling point, initial boiling point, and boiling range	> 79,4 °C (> 175 °F)
Flash point	0,8 °C (33,4 °F) Closed cup (Calculated)
Auto-ignition temperature	Not applicable.
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	1,27
Flammability limit - upper (%)	11,5
Oxidising properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapour pressure	> 22 mmHg
Vapour density	> 1
Evaporation rate	> 1 (Butyl acetate = 1)
Relative density	0,83
Solubility (water)	Partially soluble in water.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Percent volatile	Not available.
Other information	No relevant additional information available.

Section 10: Stability and reactivity

Reactivity	None known.
Chemical stability	Risk of ignition. Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Heat, flames and sparks. Electrostatic Discharge.
Incompatible materials	Strong oxidising agents. Strong acids. Strong bases.
Hazardous decomposition products	None known.

Section 11: Toxicological information

General information	Irritant. May cause central nervous system effects.
Information on likely routes of exposure	
Ingestion	Swallowing of the liquid, or vomiting as a result, may result in aspiration into the lungs.
Inhalation	May cause respiratory irritation. May cause central nervous system depression.
Skin contact	Causes skin irritation.
Eye contact	Causes eye irritation.
Symptoms	Irritant effects. May cause central nervous system effects.
Information on toxicological effects	
Acute toxicity	Causes skin, eye and respiratory tract irritation. If aspirated into lungs during swallowing or vomiting, it may cause pulmonary hemorrhage, oedema and possible death.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory sensitisation	Not available.
Skin sensitisation	Not available.
Germ cell mutagenicity	Not assigned.
Carcinogenicity	Not assigned.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.
Reproductive toxicity	Suspected of damaging fertility. Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Swallowing or vomiting of the liquid may result in aspiration into the lungs.
Mixture versus substance information	Not available.
Other information	Not available.

Section 12: Ecological information

Toxicity

Components	Test results
Toluene (108-88-3)	LC50 Coho salmon, silver salmon (Oncorhynchus kisutch): 5,5 mg/l 96 hours
Persistence and degradability	Not available.
Bioaccumulative potential	Not available.
Mobility	Not available.
Environmental fate - Partition coefficient	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not available.
Other adverse effects	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 13: Disposal considerations

Waste treatment methods

Residual waste	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Offer rinsed packaging material to local recycling facilities.
EU waste code	Waste codes should be assigned by the user based on the application for which the product was used. The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Do not incinerate sealed containers. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container.

Section 14: Transport information

ADR

UN number	UN1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (TOLUENE)
Transport hazard class(es)	3
Subsidiary class(es)	-
Packing group	II
Environmental hazards	No
Tunnel restriction code	D/E
Labels required	3
Special precautions for user	Not available.

RID

UN number	UN1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (TOLUENE)
Transport hazard class(es)	3
Subsidiary class(es)	-
Packing group	II
Environmental hazards	No
Labels required	3
Special precautions for user	Not available.

ADN

UN number	UN1993
UN proper shipping name	Flammable Liquid (Toluene)
Transport hazard class(es)	3
Subsidiary class(es)	-
Packing group	II
Environmental hazards	No
Labels required	3
Special precautions for user	Not available.

IATA

UN number	UN1993
UN proper shipping name	Flammable liquid, n.o.s. (Toluene)
Transport hazard class(es)	3
Subsidiary class(es)	-
Packing group	II
Environmental hazards	No
ERG Code	3H
Special precautions for user	Not available.

IMDG

UN number	UN1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (TOLUENE)
Transport hazard class(es)	3
Subsidiary class(es)	-
Packing group	II
Marine pollutant	No
EmS No.	F-E, S-E*
Special precautions for user	Not available.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No information available.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)

Toluene (CAS 108-88-3)

Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List

Not listed.

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations

Not available.

Chemical safety assessment

Not available.

Section 16: Other information

List of abbreviations

Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

Not available.

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15

R11 Highly flammable.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
H225 - Highly flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H310 - Fatal in contact with skin.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H361d - Suspected of damaging the unborn child.
H373 - May cause damage to organs through prolonged or repeated exposure.
H411 - Toxic to aquatic life with long lasting effects.

Training information

Not available.

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