

SAFETY DATA SHEET

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

1.1. Product identifier		
Trade name or designation of the mixture	905 TR Mold Prep Cleaner	
Registration number	-	
Synonyms	None.	
Product number	TR 905	
Issue date	07-July-2015	
Version number	02	
Revision date	08-December-2020	
Supersedes date	07-July-2015	
1.2. Relevant identified uses of the substance or mixture and uses advised against		
Identified uses	Solvent.	
Uses advised against	None known.	
1.3. Details of the supplier of the safety data sheet		
Company name	TR Industries a Division of Granitize Products Inc.	
Address	11022 Vulcan Street	
	South Gate, CA 90280-0893	
	United States	
Telephone	(562) 923-5438	
Emergency telephone	CHEMTREC: (800) 424-9300	
	CHEMTREC International: 00 1-703-527-3887	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

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

Physical hazards		
Flammable liquids	Category 2	H225 - Highly flammable liquid and vapour.
Health hazards		
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Reproductive toxicity (the unborn child)	Category 2	H361d - Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure	Category 3 respiratory tract irritation	H335 - May cause respiratory irritation.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	Category 2 (central nervous system)	H373 - May cause damage to organs (central nervous system) through prolonged or repeated exposure.
Aspiration hazard	Category 1	H304 - May be fatal if swallowed and enters airways.
Environmental hazards Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.

Hazard summary

May be ignited by heat, sparks or flames. Causes skin irritation. Causes serious eye irritation. Possible reproductive hazard. May cause irritation to the respiratory system. May cause drowsiness and dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

2.2. Label elements

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

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

Hazard pictograms



Signal word	Danger
Hazard statements	
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs (central nervous system) through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe mist/vapours.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P331	Do NOT induce vomiting.
Storage	
P403 + P235	Store in a well-ventilated place. Keep cool.
Disposal	Not assigned.
Supplemental label information	None.
2.3. Other hazards	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name		%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Toluene		50 - 52	108-88-3 203-625-9	01-2119471310-51-0147	601-021-00-3	#
Classification:				rrit. 2;H315, Eye Irrit. 2;H319 Aquatic Chronic 3;H412	9, STOT SE	
2-Butanone (Methyl ethyl	ketone)	48 - 50	78-93-3 201-159-0	01-2119457290-43-0066	606-002-00-3	#
Classification:	Flam. Liq. 2	H225, Eye	Irrit. 2;H319, STOT	SE 3;H335, STOT SE 3;H33	6	

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

Composition comments

The full text for all H-statements is displayed in section 16. All concentrations are in percent by weight unless otherwise indicated.

SECTION 4: First aid measures

General information

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). 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. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
4.2. Most important symptoms and effects, both acute and delayed	Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioural changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards	Highly flammable liquid and vapour.
5.1. Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.
6.2. Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see section 10 of the SDS).
7.3. Specific end use(s)	Solvent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	МАК	295 mg/m3
, , , ,		100 ppm
	STEL	590 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	MAK	190 mg/m3
		50 ppm
	STEL	380 mg/m3
		100 ppm
Belgium. Exposure Limit Values		
Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3
		300 ppm
	TWA	600 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	77 mg/m3
		20 ppm
Bulgaria. OELs. Regulation No 13	on protection of workers aga	inst risks of exposure to chemical agents at work
Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	885 mg/m3
	TWA	590 mg/m3
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm
Croatia. Dangerous Substance Ex Components	posure Limit Values in the Wo Type	orkplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/0 Value
2-Butanone (Methyl ethyl	MAC	600 mg/m3

Components	Type	Value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	MAC	600 mg/m3	
		200 ppm	
	STEL	900 mg/m3	

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Components Type Value			
	1990		
		300 ppm	
Toluene (CAS 108-88-3)	MAC	192 mg/m3	
		50 ppm	
	STEL	384 mg/m3	
		100 ppm	
Czech Republic. OELs. Governm	ent Decree 361		
Components	Туре	Value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	Ceiling	900 mg/m3	
	TWA	600 mg/m3	
Toluene (CAS 108-88-3)	Ceiling	500 mg/m3	
	TWA	200 mg/m3	
Denmark. Exposure Limit Values			
Components	Туре	Value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	TLV	145 mg/m3	
		50 ppm	
Toluene (CAS 108-88-3)	TLV	94 mg/m3	
		25 ppm	

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Туре	Value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3	
		300 ppm	
	TWA	600 mg/m3	
		200 ppm	
Toluene (CAS 108-88-3)	STEL	384 mg/m3	
		100 ppm	
	TWA	192 mg/m3	
		50 ppm	
Finland. Workplace Exposure Lin	nits		
Components	Туре	Value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	300 mg/m3	
		100 ppm	
Toluene (CAS 108-88-3)	STEL	380 mg/m3	
		100 ppm	
	TWA	81 mg/m3	
		25 ppm	

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

Components	Гуре	value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	VLE	900 mg/m3	
Regulatory status:	Regulatory binding (VRC)		
		300 ppm	
Regulatory status:	Regulatory binding (VRC)		
	VME	600 mg/m3	
Regulatory status:	Regulatory binding (VRC)		
		200 ppm	
Regulatory status:	Regulatory binding (VRC)		

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France. Threshold Limit Components	Values (VLEP) for Occupational Exposu Type	re to Chemicals in France, INRS ED 984 Value
Toluene (CAS 108-88-3)	VLE	384 mg/m3
Regulatory status:	Regulatory binding (VRC)	
		100 ppm
Regulatory status:	Regulatory binding (VRC)	
	VME	76,8 mg/m3
Regulatory status:	Regulatory binding (VRC)	
Regulatory status:	Regulatory binding (VRC)	20 ppm
Germany. DFG MAK List n the Work Area (DFG)	t (advisory OELs). Commission for the Ir	nvestigation of Health Hazards of Chemical Compounds
Components	Туре	Value
2-Butanone (Methyl ethyl tetone) (CAS 78-93-3)	TWA	600 mg/m3
		200 ppm
oluene (CAS 108-88-3)	TWA	190 mg/m3
		50 ppm
	nit Values in the Ambient Air at the Worl	kplace
Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	AGW	600 mg/m3
		200 ppm
oluene (CAS 108-88-3)	AGW	190 mg/m3
		50 ppm
Greece. OELs (Decree N	o. 90/1999, as amended)	
Components	Туре	Value
2-Butanone (Methyl ethyl (CAS 78-93-3)	STEL	900 mg/m3
		300 ppm
	TWA	600 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm
Hungary. OELs. Joint De Components	ecree on Chemical Safety of Workplaces Type	Value
2-Butanone (Methyl ethyl	STEL	900 mg/m3
(CAS 78-93-3)		
	TWA	600 mg/m3
Toluene (CAS 108-88-3)	STEL	380 mg/m3
	TWA	190 mg/m3
celand. OELs. Regulatic Components	on 154/1999 on occupational exposure li Type	mits Value
2-Butanone (Methyl ethyl (ctone) (CAS 78-93-3)	STEL	900 mg/m3
·		300 ppm
	TWA	145 mg/m3
		50 ppm
Toluene (CAS 108-88-3)	STEL	188 mg/m3
		50 ppm

Components	Туре	Value	
		25 ppm	
Ireland. Occupational Exposure L	imits		
Components	Туре	Value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3	
		300 ppm	
	TWA	600 mg/m3	
		200 ppm	
Toluene (CAS 108-88-3)	STEL	384 mg/m3	
		100 ppm	
	TWA	192 mg/m3	
		50 ppm	
Italy. OELs			
Components	Туре	Value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3	
		300 ppm	
	TWA	600 mg/m3	
		200 ppm	
Toluene (CAS 108-88-3)	TWA	192 mg/m3	
		50 ppm	

Iceland, OFLs, Regulation 154/1999 on occupational exposure limits

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

Components	Туре	Value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3	
		300 ppm	
	TWA	200 mg/m3	
		67 ppm	
Toluene (CAS 108-88-3)	STEL	150 mg/m3	
		40 ppm	
	TWA	50 mg/m3	
		14 ppm	

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007) Componente Tuno

Components	Туре	value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3	
		300 ppm	
	TWA	600 mg/m3	
		200 ppm	
Toluene (CAS 108-88-3)	STEL	384 mg/m3	
		100 ppm	
	TWA	192 mg/m3	
		50 ppm	

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Components	Туре	Value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3	
		300 ppm	
	TWA	600 mg/m3	
		200 ppm	

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A Components Type Val

Components	Гуре	Value
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm

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

Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3
		300 ppm
	TWA	600 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm
Netherlands. OELs (binding)		
Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3
	TWA	590 mg/m3
Toluene (CAS 108-88-3)	STEL	384 mg/m3
	TWA	150 mg/m3
Norway. Administrative Norms for	r Contaminants in the Workpl	ace
Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	TLV	220 mg/m3
		75 ppm
Toluene (CAS 108-88-3)	TLV	94 mg/m3
		25 ppm
		on 6 June 2014 on the maximum permissible work environment, Journal of Laws 2014, item 817
Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3
	TWA	450 mg/m3

TWA 100 mg/m3 Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

STEL

Components	Туре	Value	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3	
		300 ppm	
	TWA	600 mg/m3	
		200 ppm	
Toluene (CAS 108-88-3)	STEL	384 mg/m3	
		100 ppm	
	TWA	192 mg/m3	
		50 ppm	

200 mg/m3

Toluene (CAS 108-88-3)

Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	300 ppm
	TWA	200 ppm
Toluene (CAS 108-88-3)	TWA	20 ppm
Romania. OELs. Protection of wo Components	rkers from exposure to chemi Type	cal agents at the workplace Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3
		300 ppm
	TWA	600 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm
Slovakia. OELs. Decree of the go agents	vernment of the Slovak Repub	lic concerning protection of health in work with chemic
Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	TWA	600 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	TWA	192 mg/m3
		50 ppm
Slovakia. OELs. Regulation No. 3 Components	00/2007 concerning protectior Type	n of health in work with chemical agents Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3
		300 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
Slovenia. OELs. Regulations con (Official Gazette of the Republic o		against risks due to exposure to chemicals while worki
Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	TWA	600 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	TWA	192 mg/m3
		50 ppm
Spain. Occupational Exposure Li	mits	
	Туре	Value
Components	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Components 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3
2-Butanone (Methyl ethyl		

Toluene (CAS 108-88-3)

TWA

STEL

TWA

600 mg/m3 200 ppm

384 mg/m3 100 ppm

192 mg/m3 50 ppm

Components	Type	l Exposure Limit Values (AFS 2015:7) Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	Ceiling	900 mg/m3
		300 ppm
	TWA	150 mg/m3
		50 ppm
Toluene (CAS 108-88-3)	Ceiling	384 mg/m3
		100 ppm
	TWA	192 mg/m3
		50 ppm
Switzerland. SUVA Grenzwerte a	m Arbeitsplatz	
Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	590 mg/m3
		200 ppm
	TWA	590 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	STEL	760 mg/m3
		200 ppm
	TWA	190 mg/m3
		50 ppm
UK. EH40 Workplace Exposure L	imits (WELs)	
Components	Туре	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	899 mg/m3
		300 ppm
	TWA	600 mg/m3
		200 ppm
Toluene (CAS 108-88-3)	STEL	384 mg/m3
		100 ppm
	TWA	191 mg/m3
		50 ppm
EU. Indicative Exposure Limit Va Components	lues in Directives 91/322/EEC, Type	2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	900 mg/m3

STEL	900 mg/m3
	300 ppm
TWA	600 mg/m3
	200 ppm
STEL	384 mg/m3
	100 ppm
TWA	192 mg/m3
	50 ppm
	STEL

Biological limit values

Components	Value	Determinant	Specimen	Sampling Time	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	2,6 mg/g	methyl ethyl ketone	Creatinine in urine	*	
	4,08 mmol/mol	methyl ethyl ketone	Creatinine in urine	*	
Toluene (CAS 108-88-3)	2,5 g/g	Hippuric acid	Creatinine in urine	*	

Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended) Components Value Determinant Specimen Sampling Time

Components	Value	Determinant	Specimen	Sampling Time	
	1 mg/g	o-cresol (Phenol, 2-methyl-)	Creatinine in urine	*	
	1 mg/l	Toluene	Blood	*	
	1,05 mmol/mol	o-cresol (Phenol, 2-methyl-)	Creatinine in urine	*	
	1,58 mol/mol	Hippuric acid	Creatinine in urine	*	
	20 ppm	Toluene	End-exhaled air	*	
	10,85 umol/l	Toluene	Blood	*	
	0,83 umol/l	Toluene	End-exhaled air	*	

* - For sampling details, please see the source document.

Czech Republic. Limit Values for Indictators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.

Components	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	1,6 µmol/mmol	o-Cresol (with hydrolysis)	Creatinine in urine	*
	1,5 mg/g	o-Cresol (with hydrolysis)	Creatinine in urine	*

* - For sampling details, please see the source document.

Finland. HTP-arvot, App	2., Biological Limit Valu	ues, (BRA/BGV) , S	ocial Affairs an	d Ministry of Health
Components	Value	Determinant	Specimen	Sampling Time

Toluene (CAS 108-88-3)	500 nmol/l	Toluene	Blood	*
		concentration		

* - For sampling details, please see the source document.

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065) Components Value Determinant Specimen Sampling Time

Componente	raido	Dotomiant	opeennen	eamphing mile	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	2 mg/l	Méthyléthylcéto ne	Urine	*	
Toluene (CAS 108-88-3)	2500 mg/g	Acide hippurique	Creatinine in urine	*	
	2500 mg/g	Acide hippurique	Creatinine in urine	*	
	1 mg/l	Toluène	Venous blood	*	

* - For sampling details, please see the source document.

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	2 mg/l	2-Butanon	Urine	*
Toluene (CAS 108-88-3)	600 µg/l	Toluol	Blood	*
	1,5 mg/l	o-Kresol (nach Hydrolyse)	Urine	*

* - For sampling details, please see the source document.

Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices

Components	Value	Determinant	Specimen	Sampling Time
Toluene (CAS 108-88-3)	1 mg/g	o-crezol	Creatinine in urine	*
	1,05 µmol/mmol	o-crezol	Creatinine in urine	*

* - For sampling details, please see the source document.

Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

Components	Value	Determinant	Specimen	Sampling Time	
Toluene (CAS 108-88-3)	600 µg/l	Toluene	Blood	*	
	1600 mg/g	Hippuric acid	Creatinine in urine	*	
	1,03 mg/g	o-cresol (Phenol, 2-methyl-)	Creatinine in urine	*	
	2401 mg/l	Hippuric acid	Urine	*	
	1,5 mg/l	o-cresol (Phenol, 2-methyl-)	Urine	*	

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4 Components Determinant Specimen Sampling Time Value 2-Butanone (Methyl ethyl * 2 mg/l Metiletilcetona Urine ketone) (CAS 78-93-3) Toluene (CAS 108-88-3) 0,08 mg/l Tolueno Urine * 0,05 mg/l Tolueno Blood * - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA) Components Value Determinant Specimen Sampling Time

Componenta	Value	Determinant	Opeennen		
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	2 mg/l	2-Butanon (MEK)	Urine	*	
Toluene (CAS 108-88-3)	600 µg/l	Toluol	Blood	*	
	2 g/g	Hippursäure	Creatinine in urine	*	
	0,5 mg/l	o-Kresol	Urine	*	
* For compling dotails pl	and soo the source	o document			

* - For sampling details, please see the source document.

UK. EH40 Biological Mon Components	Value	Determinant	Specimen	Sampling Time
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	70 umol/l	Butan-2-one	Urine	*
* - For sampling details, ple	ease see the source docu	ment.		
ecommended monitoring rocedures	Follow standard mor	nitoring procedure	5.	
erived no effect levels DNELs)	Not available.			
Predicted no effect concentrations (PNECs)	Not available.			
Exposure guidelines				
EU Exposure Limit Value	s: Skin designation			
Toluene (CAS 108-88-	-3)	Can be	e absorbed throu	gh the skin.
Slovenia. OELs. Regulati (Official Gazette of the Re		ion of workers aç	jainst risks due	to exposure to chemicals while workin
2-Butanone (Methyl et Toluene (CAS 108-88-	hyl ketone) (CAS 78-93-3 -3)	,	e absorbed throu e absorbed throu	
8.2. Exposure controls				
Appropriate engineering controls	Explosion-proof general and local exhaust ventilation. Good general ventilation should be Ventilation rates should be matched to conditions. If applicable, use process enclosures, lo exhaust ventilation, or other engineering controls to maintain airborne levels below recomr exposure limits. Provide easy access to water supply and eye wash facilities.			plicable, use process enclosures, local intain airborne levels below recommended
ndividual protection measure	es, such as personal pro	otective equipme	nt	
General information				nal protection equipment should be chosen the supplier of the personal protective
Eye/face protection	Wear safety glasses Eye protection shoul			ar face shield if there is risk of splashes.

Skin protection

- Hand protection	Wear suitable gloves tested to EN374. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Nitrile or neoprene gloves are recommended. Other suitable gloves can be recommended by the glove supplier.
- Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use filter type A2 according to EN 14387. Check with respiratory protective equipment suppliers.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Clear liquid.
Colour	Colourless.
Odour	Hydrocarbon.
Odour threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 79,4 °C (> 175 °F)
Flash point	0,8 °C (33,4 °F) Closed cup (Calculated)
Evaporation rate	> 1 (n-Butyl acetate=1)
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1,3
Flammability limit - upper (%)	11,5
Vapour pressure	> 22 mmHg
Vapour density	> 1 (Air=1)
Relative density	0,83 (Water=1)
Solubility(ies)	Partially soluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2. Other information	No relevant additional information available.
SECTION 10: Stability and	reactivity
10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Protect against direct sunlight. Contact with incompatible materials.

10.5. Incompatible materials	Strong oxidising agents. Amines. Ammonia. Caustics. Isocyanates.
10.6. Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

General information

Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely rout	tes of exposure
Inhalation	May cause drowsiness and dizziness. May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May be absorbed through the skin.
Eye contact	Causes serious eye irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms	Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioural changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

11.1. Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.	
Components	Species	Test Results
2-Butanone (Methyl ethyl ketone) ((CAS 78-93-3)	
<u>Acute</u>		
Dermal		
LD50	Rat	6400 mg/kg
Inhalation		
Vapour		
LC50	Rat	34,5 mg/l, 4 Hours
Oral	- /	"
LD50	Rat	2600 mg/kg
Toluene (CAS 108-88-3)		
Acute		
Dermal	Dahhit	1000
LD50	Rabbit	12200 mg/kg
Inhalation		
<i>Vapour</i> LC50	Rat	28,1 mg/l, 4 Hours
		20,1 mg/l, 4 hours
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory sensitisation	Based on available data, the classification criteria a	e not met.
Skin sensitisation	Based on available data, the classification criteria a	e not met.
Germ cell mutagenicity	Based on available data, the classification criteria and	re not met.
Carcinogenicity	Based on available data, the classification criteria a	e not met.
IARC Monographs. Overall I	Evaluation of Carcinogenicity	
Toluene (CAS 108-88-3)	3 Not classifiable as	to carcinogenicity to humans.
Reproductive toxicity	Suspected of damaging the unborn child.	
Specific target organ toxicity - single exposure	May cause respiratory irritation. May cause drowsin	ess and dizziness.
Specific target organ toxicity - repeated exposure	May cause damage to organs (central nervous syste	em) through prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.	
Mixture versus substance information	No information available.	
Other information	Symptoms may be delayed.	

SECTION 12: Ecological information

• · · ·	Harmful to	aquatic life with le	ong lasting effects.	
Components		Species		Test Results
2-Butanone (Methyl ethyl ketone) (C	CAS 78-93-	-3)		
Aquatic				
Acute				
Crustacea E	EC50	Daphnia mag	gna	5091 mg/l, 48 Hours
Fish L	.C50	Pimephales	promelas	3220 mg/l, 96 Hours
Toluene (CAS 108-88-3)				
Aquatic				
Acute				
Crustacea E	EC50	Daphnia mag	gna	11,5 mg/l, 48 hours
Fish L	.C50	Oncorhynch	us kisutch	5,5 mg/l, 96 hours
Chronic				
	IOEC	Ceriodaphnia	a dubia	0,74 mg/l, 7 days
Fish N	NOEC	Oncorhynch	us kisutch	1,4 mg/l, 40 days
12.2. Persistence and degradability	No data is	available on the c	legradability of this	product.
12.3. Bioaccumulative potential				
Partition coefficient n-octanol/water (log Kow) 2-Butanone (Methyl ethyl keton Toluene (CAS 108-88-3)	ne) (CAS 78	3-93-3)	0,29 2,73	
Bioconcentration factor (BCF)	Not availa	ble.	,	
12.4. Mobility in soil	The produ	ict is slightly solub	le in water. Expecte	ed to have low mobility in soil.
12.5. Results of PBT and vPvB	This mixture does not contain substances assessed to be vPvB / PBT according to Re (EC) No 1907/2006, Annex XIII.			ssed to be vPvB / PBT according to Regulation
assessment		907/2006, Annex	XIII.	
				ds which have a photochemical ozone creation
assessment 12.6. Other adverse effects	The produ			
assessment 12.6. Other adverse effects	The produpotential.	ict contains volatile		
assessment 12.6. Other adverse effects 12.7. Additional information	The produ potential.	nct contains volatile Indwater Data	e organic compound Pesticides (total	ds which have a photochemical ozone creation
assessment 12.6. Other adverse effects 12.7. Additional information Estonia Dangerous substanc	The produ potential.	nct contains volatile Indwater Data	e organic compound Pesticides (total Pesticides (total TOLUENE 0,5 c	ds which have a photochemical ozone creation I) 0,5 ug/l I) 5 ug/l ug/l
assessment 12.6. Other adverse effects 12.7. Additional information Estonia Dangerous substanc 2-Butanone (Methyl ethyl k	The produ potential. es in grou ketone) (CA	nct contains volatile Indwater Data AS 78-93-3)	e organic compound Pesticides (total Pesticides (total	ds which have a photochemical ozone creation I) 0,5 ug/l I) 5 ug/l ug/l
assessment 12.6. Other adverse effects 12.7. Additional information Estonia Dangerous substanc 2-Butanone (Methyl ethyl k Toluene (CAS 108-88-3)	The produ potential. es in grou ketone) (CA	nct contains volatile Indwater Data AS 78-93-3) Data	Pesticides (total Pesticides (total Pesticides (total TOLUENE 0,5 t TOLUENE 50 u Synthetic pestic	ds which have a photochemical ozone creation I) 0,5 ug/l I) 5 ug/l ug/l

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

```
UN1993
    14.1. UN number
    14.2. UN proper shipping
                                FLAMMABLE LIQUID, N.O.S. (TOLUENE, METHYL ETHYL KETONE)
    name
    14.3. Transport hazard class(es)
        Class
                                 3
        Subsidiary risk
                                _
                                 З
        Label(s)
                                 33
        Hazard No. (ADR)
        Tunnel restriction code
                                D/E
    14.4. Packing group
                                Ш
    14.5. Environmental hazards No
    14.6. Special precautions
                                Read safety instructions, SDS and emergency procedures before handling.
    for user
RID
    14.1. UN number
                                 UN1993
    14.2. UN proper shipping
                                FLAMMABLE LIQUID, N.O.S. (TOLUENE, METHYL ETHYL KETONE)
    name
    14.3. Transport hazard class(es)
                                 3
        Class
        Subsidiary risk
                                _
                                3
        Label(s)
                                Ш
    14.4. Packing group
    14.5. Environmental hazards No
                                 Read safety instructions, SDS and emergency procedures before handling.
    14.6. Special precautions
    for user
ADN
                                 UN1993
    14.1. UN number
    14.2. UN proper shipping
                                FLAMMABLE LIQUID, N.O.S. (TOLUENE, METHYL ETHYL KETONE)
    name
    14.3. Transport hazard class(es)
        Class
                                 3
        Subsidiary risk
                                -
                                 3
        Label(s)
                                П
    14.4. Packing group
    14.5. Environmental hazards No
    14.6. Special precautions
                                Read safety instructions, SDS and emergency procedures before handling.
    for user
ΙΑΤΑ
                                 UN1993
    14.1. UN number
                                Flammable liquid, n.o.s. (Toluene, Methyl ethyl ketone)
    14.2. UN proper shipping
    name
    14.3. Transport hazard class(es)
        Class
                                 3
        Subsidiary risk
                                -
        Label(s)
                                3
                                Ш
    14.4. Packing group
    14.5. Environmental hazards No
    ERG Code
                                 3H
                                Read safety instructions, SDS and emergency procedures before handling.
    14.6. Special precautions
    for user
IMDG
    14.1. UN number
                                 UN1993
                                FLAMMABLE LIQUID, N.O.S. (TOLUENE, METHYL ETHYL KETONE)
    14.2. UN proper shipping
    name
    14.3. Transport hazard class(es)
                                 3
        Class
        Subsidiary risk
                                 _
                                П
    14.4. Packing group
    14.5. Environmental hazards
        Marine pollutant
                                No
    EmS
                                 F-E, S-E
    14.6. Special precautions
                                 Read safety instructions, SDS and emergency procedures before handling.
    for user
```

905 TR Mold Prep Cleaner

SECTION 15: Regulatory information

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

EU regulations

Code

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended Toluene (CAS 108-88-3)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended Not listed

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended 2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)

Toluene (CAS 108-88-3)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

2-Butanone (Methyl ethyl ketone) (CAS 78-93-3) Toluene (CAS 108-88-3)

Other regulations	The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.
National regulations	According to Directive 92/85/EEC as amended, pregnant women should not work with the product, if there is the least risk of exposure.
	Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways. ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road. IATA: International Air Transport Association. IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk. IMDG Code: International Maritime Dangerous Goods Code. MARPOL: International Convention for the Prevention of Pollution from Ships. RID: Regulations concerning the International Carriage of Dangerous Goods by Rail. STEL: Short-Term Exposure Limit.

References Information on evaluation method leading to the classification of mixture	TWA: Time Weighted Average Value. ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices EPA: AQUIRE database HSDB® - Hazardous Substances Data Bank IARC Monographs. Overall Evaluation of Carcinogenicity National Toxicology Program (NTP) Report on Carcinogens The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any H-statements not written out in full under Sections 2 to 15	 H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory 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. H412 Harmful to aquatic life with long lasting effects.
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