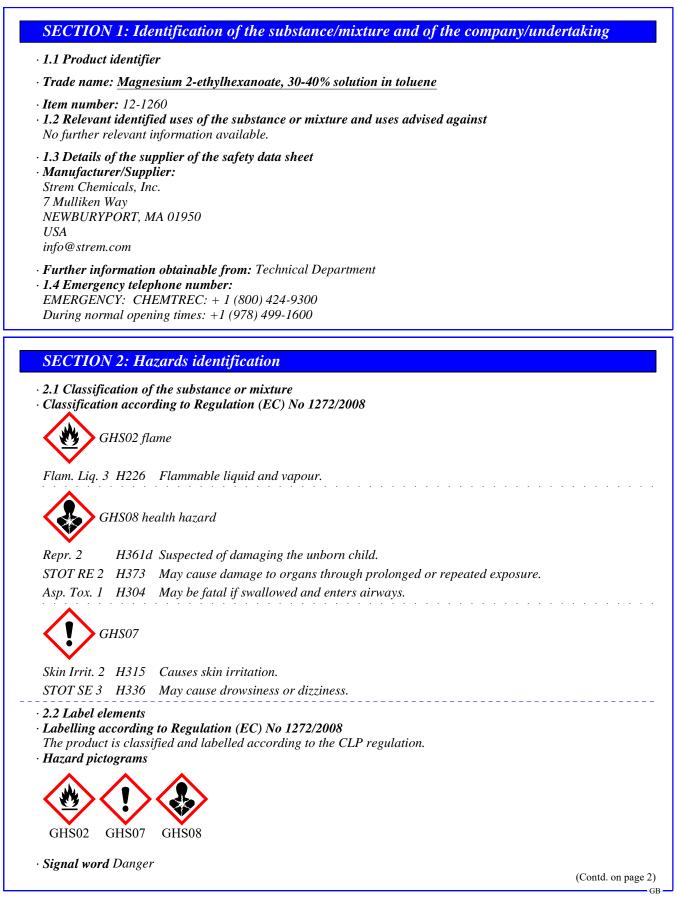
Printing date 15.07.2021

Revision: 15.07.2021



Printing date 15.07.2021

CHEMICALS, INC

Revision: 15.07.2021

Trade name: Magnesium 2-ethylhexanoate, 30-40% solution in toluene

	(Contd. of page 1)
Hazard-determi	ning components of labelling:
toluene	
Hazard statemer	ıts
H226 Flammal	ole liquid and vapour.
H315 Causes st	
H361d Suspected	d of damaging the unborn child.
	se drowsiness or dizziness.
	se damage to organs through prolonged or repeated exposure.
	atal if swallowed and enters airways.
Precautionary s	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P3	53 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
2.3 Other hazard	
Results of PBT of	and vPvB assessment

• *PBT*: Not applicable. • *vPvB*: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

• Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

0 1		
CAS: 108-88-3	toluene	70.0%
EINECS: 203-625-	 Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336 	
· Additional informa	tion: For the wording of the listed hazard phrases refer to section 16.	

SECTION 4: First aid measures

· 4.1 Description of first aid measures

• General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• After inhalation: In case of unconsciousness place patient stably in side position for transportation.

 \cdot After skin contact: Immediately wash with water and soap and rinse thoroughly.

• After eye contact: Rinse opened eye for several minutes under running water.

• After swallowing: If symptoms persist consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

(Contd. on page 3) GB

Printing date 15.07.2021

Revision: 15.07.2021

Trade name: Magnesium 2-ethylhexanoate, 30-40% solution in toluene

• **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents: Water with full jet

· 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

· 5.3 Advice for firefighters

· Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away.

• 6.2 Environmental precautions: Prevent seepage into sewage system, workpits and cellars.

• 6.3 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.

6.4 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.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.

- Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.

• Further information about storage conditions: Keep container tightly sealed.

• 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.

(Contd. on page 4)

CHEMICALS, INC.

(Contd. of page 2)

⁻ GB

Printing date 15.07.2021

Revision: 15.07.2021

Trade name: Magnesium 2-ethylhexanoate, 30-40% solution in toluene

(Contd. of page 3)

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

108-88-3 toluene

WEL Short-term value: 384 mg/m³, 100 ppm Long-term value: 191 mg/m³, 50 ppm Sk

• Additional information: The lists valid during the making were used as basis.

- · 8.2 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 skin. Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. 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 · 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

• 9.1 Information on basic physical a • General Information	nd chemical properties	
· Appearance:		
Form:	Viscous	
Colour:	Amber coloured	
· Odour:	Characteristic	
· Odour threshold:	Not determined.	
· pH-value:	Not determined.	
· Change in condition		
Melting point/freezing point:	Undetermined.	
		(Contd. on page 5)

Printing date 15.07.2021

CHEMICALS, INC

Revision: 15.07.2021

Trade name: Magnesium 2-ethylhexanoate, 30-40% solution in toluene

	(Contd. of page
Initial boiling point and boiling range	e: 110 °C
· Flash point:	4 °C (solvent)
· Flammability (solid, gas):	Not determined.
· Ignition temperature:	535 °C
Decomposition temperature:	Not determined.
• Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	7.0 Vol %
· Vapour pressure at 20 °C:	29 hPa
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
\cdot Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	70.0 %
VOC (EC)	70.00 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

• Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

108-88-3 toluene

Oral

LD50 5000 mg/kg (rat)

(Contd. on page 6)

GB -

Printing date 15.07.2021

CHEMICALS, INC

Revision: 15.07.2021

Trade name: Magnesium 2-ethylhexanoate, 30-40% solution in toluene

			(Contd. of page 5)
Dermal	LD50	12124 mg/kg (rabbit)	
Inhalative	LC50/4 h	5320 mg/l (mouse)	
· Primary ir	ritant effe	ct:	
· Skin corro	sion/irrita	tion	
Causes ski	n irritation	l.	
· Serious ey	e damage/i	<i>irritation</i> Based on available data, the classification criteria are not met.	
· Respirator	y or skin s	ensitisation Based on available data, the classification criteria are not met.	
· CMR effec	ets (carcino	ogenity, mutagenicity and toxicity for reproduction)	
· Germ cell	mutagenic	ity Based on available data, the classification criteria are not met.	
· Carcinoge	nicity Base	ed on available data, the classification criteria are not met.	
· Reproduct	ive toxicity	,	
Suspected	of damagir	<i>ig the unborn child.</i>	
· STOT-sing	gle exposu	re	
May cause	drowsines	rs or dizziness.	
· STOT-rep	eated expo	sure	
May cause	damage to	o organs through prolonged or repeated exposure.	
 Aspiration 	hazard		
May be fat	al if swalld	owed and enters airways.	
SECTIO	N 12: Ec	cological information	
1) 1 Touis	.:		

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes: Not known to be hazardous to water.
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

· 14.1 UN-Number		
· ADR, IMDG, IATA	UN1993	
· 14.2 UN proper shipping name		
ADR	1993 FLAMMABLE LIQUID, N.O.S.	
· IMDG, IATA	FLAMMABLE LIQUID, N.O.S.	

Printing date 15.07.2021

CHEMICALS, INC

Revision: 15.07.2021

	(Contd. of pag
· 14.3 Transport hazard class(es)	
· ADR, IMDG, IATA	
3	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	
· Marine pollutant:	No
\cdot 14.6 Special precautions for user	Warning: Flammable liquids.
· Danger code (Kemler): · EMS Number:	33 F-E,S- <u>E</u>
· Stowage Category	A
· 14.7 Transport in bulk according to Ann	nex II of
Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
\cdot Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
• Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	1L
\cdot Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P5c FLAMMABLE LIQUIDS

• Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

 \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

• REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 48

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

(Contd. on page 8)

GB

Printing date 15.07.2021

Revision: 15.07.2021

Trade name: Magnesium 2-ethylhexanoate, 30-40% solution in toluene

(Contd. of page 7)

SEC	TION 16: Other information
	nformation is based on our present knowledge. However, this shall not constitute a guarantee for a ic product features and shall not establish a legally valid contractual relationship.
Releve	ant phrases
H225	Highly flammable liquid and vapour.
	May be fatal if swallowed and enters airways.
	Causes skin irritation.
	May cause drowsiness or dizziness.
	I Suspected of damaging the unborn child.
	1 0 0 0
пз/з	May cause damage to organs through prolonged or repeated exposure.
Depar	tment issuing SDS: Technical Department.
Conta	ct: Technical Director
Abbre	viations and acronyms:
	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the Internation
	e of Dangerous Goods by Road)
	International Maritime Code for Dangerous Goods
	nternational Air Transport Association
	Iobally Harmonised System of Classification and Labelling of Chemicals
	S: European Inventory of Existing Commercial Chemical Substances
	5: European List of Notified Chemical Substances
	hemical Abstracts Service (division of the American Chemical Society) Volatile Organic Compounds (USA, EU)
	Lethal concentration, 50 percent
	Lethal dose, 50 percent
	rsistent, Bioaccumulative and Toxic
	ery Persistent and very Bioaccumulative
Flam. L	iq. 2: Flammable liquids – Category 2
	iq. 3: Flammable liquids – Category 3
	it. 2: Skin corrosion/irritation – Category 2
	Reproductive toxicity – Category 2
	E 3: Specific target organ toxicity (single exposure) – Category 3
	E 2: Specific target organ toxicity (repeated exposure) – Category 2 x. 1: Aspiration hazard – Category 1
лэр. 10	x. 1. Aspiration nazara – Category 1

