

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HYDROBLOCK

Revision date: 03.08.2020

Product code: 2841

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

HYDROBLOCK

Further trade names

HYDROBLOCK WHITE, HYDROBLOCK RED

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

For professional use only.

1.3. Details of the supplier of the safety data sheet

Company name:	Ravago Hellas SA
Street:	Neratziotissis 115 str
Place:	GR-15124 Marousi - Attica
Telephone:	+302144008400
e-mail:	info@ravagohellas.gr
Internet:	http://www.ravagohellas.gr

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Flammable liquid: Flam. Liq. 3

Aspiration hazard: Asp. Tox. 1

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2A

Respiratory or skin sensitisation: Resp. Sens. 1

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Flammable liquid and vapour.

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause damage to organs through prolonged or repeated exposure.

Harmful to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Reaction mass of ethylbenzene and m-xylene and p-xylene

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha

4-methyl-m-phenylene diisocyanate, toluene-2,6-di-isocyanate

Signal word: Danger**Pictograms:****Hazard statements**

H226

Flammable liquid and vapour.

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H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H373	May cause damage to organs (...) through prolonged or repeated exposure.
H304	May be fatal if swallowed and enters airways.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P501	Dispose of contents/container to an appropriate recycling or disposal facility.
P314	Get medical advice/attention if you feel unwell.
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P331	Do NOT induce vomiting.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Special labelling of certain mixtures

EUH204	Contains isocyanates. May produce an allergic reaction.
EUH208	Contains m-tolylidene diisocyanate. May produce an allergic reaction.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
	Reaction mass of ethylbenzene and m-xylene and p-xylene			10-25%
	905-562-9		01-2119488216-32	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 3; H226 H332 H312 H315 H319 H335 H373 H304 H412			
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha			0-2.5%
	265-150-3	649-327-00-6	01-2119463258-33	
	Carc. 1B, Muta. 1B, Asp. Tox. 1; H350 H340 H304			
26471-62-5	4-methyl-m-phenylene diisocyanate, toluene-2,6-di-isocyanate			0.0025-<0.02 %
	247-722-4	615-006-00-4	01-2119454791-34	
	Carc. 2, Acute Tox. 2, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3, Aquatic Chronic 3; H351 H330 H315 H319 H334 H317 H335 H412			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

After inhaling vapours, first symptoms of poisoning may develop hours later, so always consult a doctor.

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Provide fresh air. Seek medical advice immediately.

After inhalation

In case of unconsciousness place patient stably in side position for transportation. Supply fresh air or oxygen; call for doctor. If required, provide artificial respiration. Put victim at rest and keep warm. Seek immediate medical advice

After contact with skin

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After contact with eyes

Rinse opened eye for at least 15 minutes under running water. Seek immediate medical advice

After ingestion

Do not induce vomiting; call for medical help immediately. Rinse mouth immediately and drink plenty of water. Rinse mouth immediately and drink plenty of water. Call for a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

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 media

Carbon dioxide (CO₂). powder or water spray

Unsuitable extinguishing media

Water with full jet

5.2. Special hazards arising from the substance or mixture

Carbon dioxide (CO₂). Carbon monoxide

5.3. Advice for firefighters

Mouth respiratory protective device. Wear fully protective suit.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources. Ensure adequate ventilation. Wear protective clothing. Wear protective equipment. Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Collect with absorbent material (sand, diatomite). Do not flush with water or aqueous cleansing agents Do not flush with water or aqueous cleansing agents

6.4. Reference to other sections

See Section 7 for information on safe handling. See Section 7 for information on safe handling. See Section 7 for information on safe handling.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use adequate personal protective equipment as required. For more information regarding protective equipment see section 8. Avoid inhaling vapors. Avoid contact with skin, eyes and clothing. Avoid contact with skin, eyes and clothing. Ensure good ventilation/exhaustion at the workplace.

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Advice on protection against fire and explosion

Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

Advice on storage compatibility

Store in a cool location. Provide ventilation for receptacles. Store away from sources of ignition.

Further information on storage conditions

Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles. Store in cool, dry conditions in well sealed receptacles.

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Protective and hygiene measures

Keep away from foodstuffs, beverages and feed. Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes and skin. Do not eat, drink or smoke while using the product. Do not eat, drink or smoke while using the product.

Eye/face protection

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Hand protection

Protective gloves resistant to chemicals (standard EN 374-1) Protective gloves resistant to chemicals (standard EN 374-1) Protective gloves resistant to chemicals (standard EN 374-1) Protective gloves resistant to chemicals (standard EN 374-1)

Skin protection

Chemically resistant, protective work clothing (EN 14605) and boots.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter A2-P2 (EN529) is recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	various
Odour:	characteristic

Test method

pH-Value:	not determined
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Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	130 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
:	not determined

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Flash point: 27 °C

Sustaining combustion: No data available

Flammability

Solid: Not applicable

Gas: Not applicable

Explosive properties

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Lower explosion limits: 0.8 vol. %

Upper explosion limits: not determined

Ignition temperature: 488 °C

Auto-ignition temperature

Solid: Not applicable

Gas: Not applicable

Decomposition temperature: not determined

Oxidizing properties

Not considered as oxidising.

Vapour pressure: not determined

Vapour pressure: not determined

Density (at 20 °C): 1.39-1.41 g/cm³

Bulk density: not determined

Water solubility: Not miscible

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic:
(at 20 °C) >90 mPa·s

Viscosity / kinematic: not determined

Flow time: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent separation test: not determined

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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Avoid heat, sparkles, naked flame or other sources of ignition.

10.5. Incompatible materials

No further relevant information available.

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10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

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

ATEmix tested

	Dose	Species	Source
LD50, dermal	9.434 mg/kg		
LC50, inhalative (vapour)	35 mg/l		

ATEmix calculated

ATE (inhalative aerosol) 2,793 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Reaction mass of ethylbenzene and m-xylene and p-xylene				
	dermal	ATE 1100 mg/kg			
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			
26471-62-5	4-methyl-m-phenylene diisocyanate, toluene-2,6-di-isocyanate				
	inhalative vapour	ATE 0,5 mg/l			
	inhalative aerosol	ATE 0,05 mg/l			

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause allergy or asthma symptoms or breathing difficulties if inhaled. (4-methyl-m-phenylene diisocyanate, toluene-2,6-di-isocyanate)

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

May cause damage to organs (...) through prolonged or repeated exposure. (Reaction mass of ethylbenzene and m-xylene and p-xylene)

Aspiration hazard

May be fatal if swallowed and enters airways. (Reaction mass of ethylbenzene and m-xylene and p-xylene; Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha)

SECTION 12: Ecological information**12.1. 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.

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12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

Not applicable

12.6. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose according to National Regulations.

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

Contaminated packaging

Disposal must be made according to official regulations. Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number:	UN 1866
14.2. UN proper shipping name:	1866 RESIN SOLUTION
14.3. Transport hazard class(es):	3
14.4. Packing group:	Packing group III in accordance with 3.3.3.1.1
Hazard label:	3
Limited quantity:	5L
Excepted quantity:	E1
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E

Marine transport (IMDG)

14.1. UN number:	UN 1866
14.2. UN proper shipping name:	1866 RESIN SOLUTION
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
EmS:	F-E,S-E

Air transport (ICAO-TI/IATA-DGR)

14.2. UN proper shipping name:	Void
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14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Warning: Flammable liquids.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

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Restrictions on use (REACH, annex XVII):

Entry 29: Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha

2010/75/EU (VOC): 240g/L

National regulatory information

Employment restrictions:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms

ADR Agreement for Dangerous goods by Road

IMDG International Maritime code for Dangerous Goods

IATA International Air Transport Association

GHS Globally Harmonised System of Classification and Labelling of Chemicals

EINECS/ELINCS

CAS number : Chemical Abstract Service

VOC Volatile Organic Compounds (USA, EU)

DNEL Derived No Effect Level

PNEC Predicted No Effect Concentration

LD50 Lethal dose, 50 percent

LC50 Lethal concentration, 50 percent

PBT Persistent, bioaccumulative and toxic
Aquatic Acute 1 Hazardous to the aquatic environment - acute
aquatic hazard – Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3 Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

SVHC Substances Very High Concern

vPvB very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4 Acute toxicity – Category 4

Acute Tox. 4 Acute toxicity – Category 4

Skin Corr. 1B Skin corrosion/irritation – Category 1B

Skin Irrit. 2 Skin corrosion/irritation – Category 2

Eye Irrit. 2 Serious eye damage/eye irritation – Category 2

Resp. Sens. 1 Respiratory sensitisation – Category 1

Skin Sens. 1 Skin sensitisation – Category 1

STOT SE 3 Specific target organ toxicity (single exposure) – Category 3

STOT RE 2 Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1 Aspiration hazard – Category 1

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H332 Harmful if inhaled.

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H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H340	May cause genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H373	May cause damage to organs (...) through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
EUH204	Contains isocyanates. May produce an allergic reaction.
EUH208	Contains m-tolylidene diisocyanate. May produce an allergic reaction.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)