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Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolonge repeated exposure.   Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.   Image: GHS07 GHS07   Skin Irritation 2 H315 Causes skin irritation.   Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.   Eye Irritation 2B H320 Causes eye irritation.   Label elements GHS06 GHS07	Duaduat idautifian	
Toluene 78% w/w Solution   Article number: SPX002   Details of the supplier of the sofety data sheet   Aqua Solutions, Inc.   6913 Highway 225   DEER PARK, TX 77536   USA   800-235-2586   Information department:   Technical Coordinator   Sherman Nelson shermann@aquasolutions.org   Emergency telephone number:   Chemrer: 800-240-9300   Canutec: 613-996-6666   Hazard(s) identification   Classification of the substance or mixture   Image: Solution of the substance or mixture   Image: Solution of the substance or mixture   Image: Solution 2   H361 Suspected of damaging fertility or the unborn of specific Target Organ Toxicity - Repeated Exposure 2   Aspiration Hazard 1   H304 May be fatal if swallowed and enters airways.   Specific Target Organ Toxicity - Single Exposure 3   H315 Causes skin irritation.   Specific Target Organ Toxicity - Single Exposure 3   H320 Causes eve irritation.   Specific Target Organ Toxicity - Single Exposure 3   H320 Causes eve irritation.   Specific Target Organ Toxicity - Single Exposure 3   H320 Causes eve irritation.	v	
Details of the supplier of the safety data sheet   Maua Solutions, Inc.   6013 ftighway 225   DEER PARK, TX 77536   USA   800-256-2586   Information department:   Technical Coordinator   Scheman Nelson shermann@aquasolutions.org   Emergency telephone number:   Chemtre: 800-424-9300   Canutee: 613-996-6666   Itazard(s) identification   Classification of the substance or mixture   Image: Coordinator   GHS02 Flame   Flammable Liquids 2 H225 Highly flammable liquid and vapor.   Image: Coordinator		
Manufacturer/Supplier: Aqua solutions, Inc. 6013 ftighway 225 DEER PARK, TX 77536 USA 800-256-2586 Information department: Technical Coordinator Technical Coordinator Chemrice: 800-424-9300 Canutec: 613-996-6666	Article number: SPX602	
Technical Coordinator   Sherman Nelson shermann @aquasolutions.org   Emergency telephone number:   Chemtree: 800-424-9300   Canutee: 613-996-6666   Identification   Classification of the substance or mixture   Image: Colspan="2">Optimized System   Flammable Liquids 2 H225 Highly flammable liquid and vapor.   Image: Colspan=2 H361 Suspected of damaging fertility or the unborn colspan=2   Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolongerepeated exposure.   Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.   Image: Colspan=2 H315 Causes skin irritation.   Specific Target Organ Toxicity - Single Exposure 3 H336 May cause domages or dizziness.   Eye Irritation 2 H320 Causes eye irritation.   Specific Target Organ Toxicity - Single Exposure 3 H320 Causes eye irritation.   Specific Target Organ Toxicity - Single Exposure 3 H320 Causes eye irritation.   Specific Target Organ Toxicity - Single Exposure 3 H320 Causes eye irritation.   Specific Target Organ Toxicity - Single Exposure 4 H320 Causes drowsiness or dizziness.   Eye Irritation 2B H320 Causes eye irritation.   Label elements	Manufacturer/Supplier: Aqua Solutions, Inc. 6913 Highway 225 DEER PARK, TX 77536 USA	AQUA SOLUTIONS
Classification of the substance or mixture	Technical Coordinator Sherman Nelson shermann@aquasolutions.org <b>Emergency telephone number:</b> Chemtrec: 800-424-9300	
Flammable Liquids 2 H225 Highly flammable liquid and vapor.   Flammable Liquids 2 H225 Highly flammable liquid and vapor.   Flammable Liquids 2 H361 Suspected of damaging fertility or the unborn composition of the second secon		
Flammable Liquids 2 H225 Highly flammable liquid and vapor.   View GHS08 Health hazard   Toxic to Reproduction 2 H361 Suspected of damaging fertility or the unborn concentration of the second	Classification of the substance or mixture	
GHS08 Health hazard   Toxic to Reproduction 2 H361 Suspected of damaging fertility or the unborn construction   Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolonge repeated exposure.   Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.   Image: Construction 2 H315 Causes skin irritation.   Skin Irritation 2 H336 May cause drowsiness or dizziness.   Eye Irritation 2B H320 Causes eye irritation.   Label elements Hasard labeled according to the Globally Harmonized System (GHS Hazard pictograms)	GHS02 Flame	
Toxic to Reproduction 2H361 Suspected of damaging fertility or the unborn clSpecific Target Organ Toxicity - Repeated Exposure 2H373 May cause damage to organs through prolonge repeated exposure.Aspiration Hazard 1H304 May be fatal if swallowed and enters airways.Image: GHS07GHS07Skin Irritation 2H315 Causes skin irritation.Specific Target Organ Toxicity - Single Exposure 3H336 May cause drowsiness or dizziness.Eye Irritation 2BH320 Causes eye irritation.Label elements GHS04 label elements The product is classified and labeled according to the Globally Harmonized System (GH Hazard pictogramsImage: Image: Image	Flammable Liquids 2	H225 Highly flammable liquid and vapor.
Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to organs through prolonge repeated exposure.   Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.   Image: GHS07 GHS07   Skin Irritation 2 H315 Causes skin irritation.   Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.   Eye Irritation 2B H320 Causes eye irritation.   Label elements The product is classified and labeled according to the Globally Harmonized System (GH Hazard pictograms   Image: Ima	GHS08 Health hazard	
Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.	<u>.</u>	
Skin Irritation 2 H315 Causes skin irritation.   Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.   Eye Irritation 2B H320 Causes eye irritation.   Label elements GHS label elements The product is classified and labeled according to the Globally Harmonized System (GH Hazard pictograms   Image: Comparison of the product of the global system (GH Hazard pictograms)	Aspiration Hazard 1	H304 May be fatal if swallowed and enters airways.
Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.   Eye Irritation 2B H320 Causes eye irritation.   Label elements GHS label elements The product is classified and labeled according to the Globally Harmonized System (GH Hazard pictograms   Image: Imag	GHS07	
<i>Eye Irritation 2B</i> <i>Label elements</i> <i>GHS label elements</i> The product is classified and labeled according to the Globally Harmonized System (GH <i>Hazard pictograms</i> <i>Question Constraints Constr</i>	Skin Irritation 2	H315 Causes skin irritation.
Label elements GHS label elements The product is classified and labeled according to the Globally Harmonized System (GH Hazard pictograms	Specific Target Organ Toxicity - Single Exposure 3	H336 May cause drowsiness or dizziness.
Label elements GHS label elements The product is classified and labeled according to the Globally Harmonized System (GH Hazard pictograms	<i>Eye Irritation 2B</i>	H320 Causes eye irritation.
GH502 GH507 GH508	Hazard pictograms	eled according to the Globally Harmonized System (GHS
	GHS02 GHS07 GHS08	

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Trade name:	Pentane	22%	w/w	
	Toluene	78%	w/w	Solution

· Signal word Danger	(Contd. of page 1)
· Hazard-determining components of labeling:	
Toluene	
Pentane	
· Hazard statements	
Highly flammable liquid and vapor.	
Causes skin and eye irritation.	
Suspected of damaging fertility or the unborn child.	
May cause drowsiness or dizziness.	
May cause damage to organs through prolonged or repeated exposure.	
May be fatal if swallowed and enters airways.	
· Precautionary statements	
Obtain special instructions before use.	
Do not handle until all safety precautions have been read and understood.	
Keep away from heat/sparks/open flames/hot surfaces No smoking.	
Ground/bond container and receiving equipment.	
Use explosion-proof electrical/ventilating/lighting/equipment.	
Use only non-sparking tools.	
Take precautionary measures against static discharge.	
Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not touch aves	
Wash thoroughly after handling. Do not touch eyes. Use only outdoors or in a well-ventilated area.	
Wear protective gloves/protective clothing/eye protection/face protection.	
If swallowed: Immediately call a poison center/doctor.	
Specific treatment (see on this label).	
Do NOT induce vomiting.	
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water	/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if	present and easy to do.
Continue rinsing.	
IF exposed or concerned: Get medical advice/attention.	
Call a poison center/doctor if you feel unwell.	
Get medical advice/attention if you feel unwell.	
Take off contaminated clothing and wash it before reuse.	
If skin irritation occurs: Get medical advice/attention.	
If eye irritation persists: Get medical help.	
In case of fire: Use CO2, powder or water spray to extinguish.	
Store in a well-ventilated place. Keep container tightly closed.	
Store in a well-ventilated place. Keep cool. Store locked up.	
Dispose of contents/container in accordance with local/regional/national/international re	gulations
• Classification system:	guiunons.
· NFPA ratings (scale 0 - 4)	
Health = 1	
Fire = 4	
$\mathbf{O}  Reactivity = 0$	
HMIS-ratings (scale 0 - 4)	
FIRE 4 $Fire = 4$	
<b>REACTIVITY</b> Reactivity = $0$	

(Contd. on page 3)

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Reviewed on 06/04/2024

Trade name: Pentane 22% w/w Toluene 78% w/w Solution

(Contd. of page 2)

78.0%

22.0%

- · Other hazards
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

· Chemical characterization: Mixtures

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

#### · Dangerous components:

- CAS: 108-88-3 Toluene
- CAS: 109-66-0 Pentane

### 4 First-aid measures

· 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.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

## **5** Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

### 6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures
- Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

- Environmental precautions:
- Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

(Contd. on page 4)

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#### Trade name: Pentane 22% w/w Toluene 78% w/w Solution

Do not allow to	anten sources aufrage on onound water	(Contd. of page 3)
	enter sewers/ surface or ground water.	
	naterial for containment and cleaning up: uid-binding material (sand, diatomite, acid binders, universal binders, sawdust).	
	ninated material as waste according to section 13.	
Ensure adequa		
1		
• Reference to of		
•	or information on safe handling.	
	or information on personal protection equipment.	
	for disposal information.	
• Protective Action	on Criteria for Chemicals	
· PAC-1:		
CAS: 108-88-3	Toluene	67 ppm
CAS: 109-66-0	Pentane	3000* ppm
· PAC-2:		
CAS: 108-88-3	Toluene	560 ppm
CAS: 109-66-0	Pentane	33000*** ppm
· PAC-3:		
CAS: 108-88-3	Toluene	3700* ppm
CAS: 109-66-0	Pentane	200000*** ppm

# 7 Handling and storage

#### · Handling:

- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
- Keep receptacle tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.
- $\cdot$  Specific end use(s) No further relevant information available.

# 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

(Contd. on page 5)

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Trade name: Pentane 22% w/w Toluene 78% w/w Solution

Cont	(Contd. of page
	rol parameters ponents with limit values that require monitoring at the workplace:
-	: 108-88-3 Toluene
PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 20 ppm BEI, OTO, A4
CAS:	: 109-66-0 Pentane
PEL	Long-term value: 2950 mg/m³, 1000 ppm
REL	Long-term value: 350 mg/m³, 120 ppm Ceiling limit value: 1800* mg/m³, 610* ppm *15-min
TLV	Long-term value: 1000 ppm
Ingre	edients with biological limit values:
CAS:	: 108-88-3 Toluene
	0.02 mg/L LD50 Intraperitoneal: blood Time: prior to last shift of workweek LD50: Toluene 0.03 mg/L
	LD50 Intraperitoneal: urine Time: end of shift LD50: Toluene
	0.3 mg/g creatinine LD50 Intraperitoneal: urine Time: end of shift LD50: o-Cresol with hydrolysis (background)
Addi	tional information: The lists that were valid during the creation were used as basis.
Perso Gene Keep Imme Wash Store Avoid Brea	psure controls protective equipment: pral protective and hygienic measures: away from foodstuffs, beverages and feed. ediately remove all soiled and contaminated clothing. a hands before breaks and at the end of work. protective clothing separately. d contact with the eyes and skin. thing equipment:
	se of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure u ratory protective device that is independent of circulating air. (Contd. on page

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Trade name: Pentane 22% w/w Toluene 78% w/w Solution

(Contd. of page 5)

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· 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

· Body protection: Protective work clothing

Information on basic physical and	chemical properties
• General Information	
Appearance:	
Form:	Liquid
Color:	Clear
· Odor:	Characteristic
• Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. 36 °C (96.8 °F)
Flash point:	-35 °C (-31 °F)
Flammability (solid, gaseous):	Highly flammable.
Auto igniting:	285 °C (545 °F)
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Explosion limits: Lower:	1.2 Vol %

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## Trade name: Pentane 22% w/w Toluene 78% w/w Solution

	(Contd.	of page 6
Upper:	7.8 Vol %	
· Vapor pressure at 20 °C (68 °F):	573 hPa (429.8 mm Hg)	
· Density at 20 °C (68 °F):	0.8 g/cm <sup>3</sup> (6.676 lbs/gal)	
· Relative density	Not determined.	
· Vapor density	Not determined.	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/wate	er): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	100.0 %	
VOC content:	100.00 %	
	800.0 g/l / 6.68 lb/gal	
Solids content:	0.0 %	
• Other information	No further relevant information available.	

## **10 Stability and reactivity**

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

## **11 Toxicological information**

- · Information on toxicological effects
- · Acute toxicity:
- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- · Additional toxicological information:
- The product shows the following dangers according to internally approved calculation methods for preparations: Irritant
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer)
- CAS: 108-88-3 Toluene

(Contd. on page 8)

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Trade name: Pentane 22% w/w Toluene 78% w/w Solution

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## · NTP (National Toxicology Program)

None of the ingredients is listed.

#### · OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

## **12 Ecological information**

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- Additional ecological information:

· General notes:

Water hazard class 2 (Self-assessment): hazardous for water

- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even small quantities leak into the ground.
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

### **13 Disposal considerations**

· Waste treatment methods

· Recommendation:

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

· Uncleaned packagings:

• *Recommendation: Disposal must be made according to official regulations.* 

· UN-Number	
· DOT, IMDG, IATA	UN1993
· UN proper shipping name	
DOT	Flammable liquids, n.o.s. (Toluene, Pentane)
· IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (Toluene, Pentane)
• Transport hazard class(es)	
DOT	
PLANNABLE LOUD	
▼	
Class	3 Flammable liquids

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Trade name: Pentane 22% w/w Toluene 78% w/w Solution

	(Contd. of page
· Label	3
· IMDG, IATA	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, IMDG, IATA	II
· Environmental hazards:	
• Marine pollutant:	Yes
Special precautions for user	Warning: Flammable liquids
Hazard identification number (Kemler cod	
EMS Number:	<i>F-E</i> , <u><i>S-E</i></u>
Stowage Category	В
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	f Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
IMDG	
Limited quantities (LQ)	1L
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. (TOLUENE PENTANE), 3, II

#### \*

# **15 Regulatory information**

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

CAS: 108-88-3 Toluene

· TSCA (Toxic Substances Control Act):

Toluene

Pentane

· Hazardous Air Pollutants

CAS: 108-88-3 Toluene

(Contd. on page 10)

ACTIVE

ACTIVE

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#### Reviewed on 06/04/2024

Trade name: Pentane 22% w/w

Toluene 78% w/w Solution

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II

A4

## · Proposition 65

 $\cdot$  Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

 $\cdot$  Chemicals known to cause developmental toxicity:

CAS: 108-88-3 Toluene

· Carcinogenic categories

· EPA (Environmental Protection Agency)

CAS: 108-88-3 Toluene

· TLV (Threshold Limit Value)

CAS: 108-88-3 Toluene

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

• *GHS label elements* The product is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms* 



· Signal word Danger

· Hazard-determining components of labeling: Toluene Pentane · Hazard statements Highly flammable liquid and vapor. Causes skin and eye irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. · Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not touch eyes. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor.

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Trade name: Pentane 22% w/w Toluene 78% w/w Solution

(Contd. of page 10)

Specific treatment (see on this label). Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Get medical advice/attention if you feel unwell. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical help. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · Chemical safety assessment: A Chemical Safety Assessment has not been carried out. **16 Other information** 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. · Department issuing SDS: Environment protection department. · Contact: Date of Preparation / Last Revision:

• Date of preparation / last revision Revision 1.2, 06/04/2024: Reviewed SDS for accuracy. MH/STN Creation date for SDS 07-24-2018. STN 06/04/2024 • Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit **REL:** Recommended Exposure Limit BEI: Biological Exposure Limit Flammable Liquids 2: Flammable liquids – Category 2 Skin Irritation 2: Skin corrosion/irritation - Category 2 Eye Irritation 2B: Serious eye damage/eye irritation – Category 2B Toxic to Reproduction 2: Reproductive toxicity - Category 2 Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) - Category 3 Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) - Category 2 Aspiration Hazard 1: Aspiration hazard - Category 1

 $\cdot$  \* Data compared to the previous version altered.

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