

# #111 Ultrasonic Watch Cleaning Solution

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 4/12/2018 Revision date: 4/12/2018 Supersedes: 18/6/2015 Version: 4.00

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

#### 1.1. Product identifier

Trade name : #111 Ultrasonic Watch Cleaning Solution

Type of product : Detergent

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Special cleaning agent

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Beco Technic GmbH  
21500 Geesthacht - Germany  
T +49 (0) 4152- 80960 - F +49 (0) 4152 809696  
[service@beco-technic.com](mailto:service@beco-technic.com) - [www.beco-technic.com](http://www.beco-technic.com)

##### Email competent person

sds@kft.de

##### Manufacturer

L&R Manufacturing Company  
577 Elm Street, P.O. Box 607  
Kearny, NJ 07032 - 0607 - USA

#### 1.4. Emergency telephone number

Emergency number : National Health Service (NHS)  
24 hour national number consumer  
England and Scotland: 111  
Wales: 0845 46 47  
Northern Ireland: call your local General Practitioner  
  
Call 999 if there is a life-threatening incident.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3	H226
Skin corrosion/irritation, Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Specific target organ toxicity — Repeated exposure, Category 1	H372
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412
Full text of H statements : see section 16	

##### Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. Causes damage to organs (central nervous system) through prolonged or repeated exposure (if inhaled). May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects. Causes severe skin burns and eye damage.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02

GHS05

GHS08

Signal word (CLP)

: Danger

Hazardous ingredients

: Stoddard solvent; Solvent naphtha (petroleum), light aliph.; 1-aminopropan-2-ol; ammonia

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Hazard statements (CLP)	: H226 - Flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H314 - Causes severe skin burns and eye damage. H372 - Causes damage to organs (central nervous system) through prolonged or repeated exposure (if inhaled). H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe gas, mist, vapours, spray. P262 - Do not get in eyes, on skin, or on clothing. P280 - Wear protective gloves, eye protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER, a doctor. P331 - Do NOT induce vomiting.

### 2.3. Other hazards

Other hazards not contributing to the classification : This material or its emissions may defat skin, cause contact dermatitis, or aggravate existing skin disease.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Stoddard solvent (Note P)	(CAS-No.) 8052-41-3 (EC-No.) 232-489-3 (EC Index-No.) 649-345-00-4	60-65	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Solvent naphtha (petroleum), light aliph. (Note P)	(CAS-No.) 64742-89-8 (EC-No.) 265-192-2 (EC Index-No.) 649-267-00-0	1-5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
2-(propyloxy)ethanol; EGPE	(CAS-No.) 2807-30-9 (EC-No.) 220-548-6 (EC Index-No.) 603-095-00-2	1-5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Eye Irrit. 2, H319
1-aminopropan-2-ol	(CAS-No.) 78-96-6 (EC-No.) 201-162-7 (EC Index-No.) 603-082-00-1	15-20	Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314
ammonia (Note B)	(CAS-No.) 1336-21-6 (EC-No.) 215-647-6 (EC Index-No.) 007-001-01-2	1-5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 STOT SE 3, H335 Aquatic Acute 1, H400

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
ammonia	(CAS-No.) 1336-21-6 (EC-No.) 215-647-6 (EC Index-No.) 007-001-01-2	(C >= 5) STOT SE 3, H335

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102)-P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

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Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately. Vomiting: prevent asphyxia/aspiration pneumonia.

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

Symptoms/effects after skin contact	: Causes severe burns.
Symptoms/effects after eye contact	: Causes serious eye burns.
Symptoms/effects after ingestion	: Risk of lung oedema.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Strong water jet.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable liquid and vapour.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Nitrogen oxides.

#### 5.3. Advice for firefighters

Firefighting instructions	: Cool down the containers exposed to heat with a water spray. Under fire conditions closed containers may rupture or explode.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin and eyes.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear personal protective equipment.
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe vapours, spray, mist. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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#### 6.2. Environmental precautions

Notify authorities if product enters sewers or public waters. Avoid sub-soil penetration. Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Cover spill with non combustible material, e.g.: sand/earth. Notify authorities if product enters sewers or public waters. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
Other information	: Disposal must be done according to official regulations.

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### 6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe vapours, spray, mist. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Avoid contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Storage temperature	: 3,9 - 37,8 °C
Information about storage in one common storage facility	: Keep away from food, drink and animal feeding stuffs.
Storage area	: Store away from heat.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Stoddard solvent (8052-41-3)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	80 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	44 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, oral	10,56 mg/kg bodyweight
Acute - local effects, inhalation	55 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	22 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	40 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,14 mg/l
PNEC aqua (marine water)	0,35 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1,14 mg/kg dwt
PNEC sediment (marine water)	0,14 mg/kg dwt
<b>Solvent naphtha (petroleum), light aliph. (64742-89-8)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - local effects, inhalation	840 mg/m <sup>3</sup>
<b>2-(propyloxy)ethanol; EGPE (2807-30-9)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	3,4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	36 mg/m <sup>3</sup>

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<b>2-(propyloxy)ethanol; EGPE (2807-30-9)</b>	
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, oral	2,2 mg/kg bodyweight
Long-term - systemic effects, inhalation	7,7 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	2,2 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,1 mg/l
PNEC aqua (marine water)	0,01 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0,594 mg/kg dwt
PNEC sediment (marine water)	0,059 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0,06 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	10 mg/l
<b>1-aminopropan-2-ol (78-96-6)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, inhalation	8,5 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	0,67 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2,1 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,0327 mg/l
PNEC aqua (marine water)	0,00327 mg/l
PNEC aqua (intermittent, freshwater)	0,327 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0,177 mg/kg dwt
PNEC sediment (marine water)	0,0177 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0,0161 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	3,3 mg/l

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

#### Hand protection:

In case of repeated or prolonged contact wear gloves. Chemically resistant protective gloves. Rubbers. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

#### Eye protection:

Wear closed safety glasses. EN 166. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

#### Skin and body protection:

Wear suitable protective clothing. EN 340. EN 13034

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### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 143

Device	Filter type	Condition	Standard
Breathing apparatus with filter	A-P2	In case of unintentional release of substance, exceeding the occupational exposure limit value	EN 143

### Environmental exposure controls:

Avoid release to the environment.

### Other information:

Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear.
Colour	: Pale yellow. Yellow.
Odour	: ammonia.
Odour threshold	: No data available
pH	: 10,5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: 25,5 °C (closed cup)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 226,666 hPa (37,8 °C;(calculated value))
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative gas density	: 0,79
Solubility	: Emulsifiable.
Log Pow	: Not applicable
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Explosive vapour/air mixtures may be formed.
Oxidising properties	: Non oxidizing.
Lower explosive limit (LEL)	: 1 vol %
Upper explosive limit (UEL)	: 8 vol %

### 9.2. Other information

VOC content	: 679,7 g/l (calculated value)
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Flammable liquid and vapour.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

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### 10.5. Incompatible materials

Strong acids. Strong oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

ATE CLP (oral)	> 5000 mg/kg
ATE CLP (dermal)	> 5000 mg/kg

### ammonia (1336-21-6)

LD50 oral rat	350 mg/kg bodyweight
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### 1-aminopropan-2-ol (78-96-6)

LD50 oral rat	2813 mg/kg bodyweight
LD50 dermal rabbit	1851 mg/kg bodyweight

Skin corrosion/irritation : Causes severe skin burns and eye damage.  
pH: 10,5

Serious eye damage/irritation : Causes serious eye damage.  
pH: 10,5

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure : Causes damage to organs (central nervous system) through prolonged or repeated exposure (if inhaled).

Aspiration hazard : May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Acute aquatic toxicity : Not classified (Based on available data, the classification criteria are not met)

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

### Stoddard solvent (8052-41-3)

LC50 fish 1	0,18 mg/l (96h;Fish;Quantitative structure-activity relationship (QSAR))
EC50 Daphnia 1	> 2,5 mg/l (96 h, Chatogammarius marinus)
EC50 96h algae (1)	0,58 mg/l (96h; algae;(OECD 201 method))
NOEC chronic fish	0,02 mg/l (30d;Quantitative structure-activity relationship (QSAR))
NOEC chronic crustacea	1,19 mg/l (21d;daphnia;(OECD 211 method))

### Solvent naphtha (petroleum), light aliph. (64742-89-8)

LC50 fish 1	10 mg/l (96h;Oncorhynchus mykiss (Rainbow trout);(OECD 203 method))
EC50 Daphnia 1	4,5 mg/l EC50 48h - Daphnia magna [mg/l](OECD 202 method))
EC50 72h algae (1)	3,1 mg/l (72h; Pseudokirchneriella subcapitata;(OECD 201 method))
NOEC chronic crustacea	2,6 mg/l (21d;Daphnia magna; (OECD 211 method))

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### 12.2. Persistence and degradability

#### Stoddard solvent (8052-41-3)

Biodegradation	63 % (28d;(OECD 301B method))
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#### Solvent naphtha (petroleum), light aliph. (64742-89-8)

Persistence and degradability	Inherently biodegradable.
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Biodegradation	90,35 % (28d)
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### 12.3. Bioaccumulative potential

#### #111 Ultrasonic Watch Cleaning Solution

Log Pow	Not applicable
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#### 1-aminopropan-2-ol (78-96-6)

Log Pow	-2,5 - -0,93 @ 23 - 25 °C and pH 6.9 - 7.3
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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### Component

Stoddard solvent (8052-41-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
2-(propyloxy)ethanol; EGPE (2807-30-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Solvent naphtha (petroleum), light aliph. (64742-89-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1-aminopropan-2-ol (78-96-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
ammonia (1336-21-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods

: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Additional information

: Flammable vapours may accumulate in the container.

European List of Waste (LoW) code

: 04 02 14\* - wastes from finishing containing organic solvents

HP Code

: HP3 - "Flammable:"

— flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;

— flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;

— flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;

— flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;

— water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;

— other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

HP8 - "Corrosive:" waste which on application can cause skin corrosion.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment



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### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
2924	2924	2924	2924	2924
<b>14.2. UN proper shipping name</b>				
FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Stoddard solvent ; 1-aminopropan-2-ol)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Stoddard solvent ; 1-aminopropan-2-ol)	Flammable liquid, corrosive, n.o.s. (Stoddard solvent ; 1-aminopropan-2-ol)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Stoddard solvent ; 1-aminopropan-2-ol)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Stoddard solvent ; 1-aminopropan-2-ol)
<b>Transport document description</b>				
UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Stoddard solvent ; 1-aminopropan-2-ol), 3 (8), III, (D/E)	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Stoddard solvent ; 1-aminopropan-2-ol), 3 (8), III	UN 2924 Flammable liquid, corrosive, n.o.s. (Stoddard solvent ; 1-aminopropan-2-ol), 3 (8), III	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Stoddard solvent ; 1-aminopropan-2-ol), 3 (8), III	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Stoddard solvent ; 1-aminopropan-2-ol), 3 (8), III
<b>14.3. Transport hazard class(es)</b>				
3 (8)	3 (8)	3 (8)	3 (8)	3 (8)
<b>14.4. Packing group</b>				
III	III	III	III	III
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : FC  
Special provisions (ADR) : 274  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E1  
Transport category (ADR) : 3  
Hazard identification number (Kemler No.) : 38  
Orange plates :



Tunnel restriction code (ADR) : D/E  
EAC code : •3WE  
APP code : A(fl)

#### Transport by sea

Special provisions (IMDG) : 223, 274  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-C  
Stowage and handling (IMDG) : SW2

#### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y342

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PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 354
PCA max net quantity (IATA)	: 5L
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A803

### Inland waterway transport

Classification code (ADN)	: FC
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T

### Rail transport

Classification code (RID)	: FC
Special provisions (RID)	: 274
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Transport category (RID)	: 3
Hazard identification number (RID)	: 38

## 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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Stoddard solvent - 2-(propyloxy)ethanol; EGPE - Solvent naphtha (petroleum), light aliph. - 1-aminopropan-2-ol - ammonia
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	#111 Ultrasonic Watch Cleaning Solution - Stoddard solvent - 2-(propyloxy)ethanol; EGPE - Solvent naphtha (petroleum), light aliph.
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	#111 Ultrasonic Watch Cleaning Solution - Stoddard solvent - 2-(propyloxy)ethanol; EGPE - Solvent naphtha (petroleum), light aliph. - 1-aminopropan-2-ol - ammonia
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	#111 Ultrasonic Watch Cleaning Solution - Stoddard solvent - Solvent naphtha (petroleum), light aliph. - ammonia
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	#111 Ultrasonic Watch Cleaning Solution - Stoddard solvent - 2-(propyloxy)ethanol; EGPE

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 679,7 g/l (calculated value)

Other information, restriction and prohibition regulations : Take note of Directive 94/33/EC on the protection of young people at work.

Detergent Regulation : Labelling of contents:

Component	%
aromatic hydrocarbons	>=30%

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aliphatic hydrocarbons	15-30%	
<b>Seveso III Part I (Categories of dangerous substances)</b>	<b>Qualifying quantity (tonnes)</b>	
	<b>Lower-tier</b>	<b>Upper-tier</b>
P5c FLAMMABLE LIQUIDS Flammable liquids, Categories 2 or 3 not covered by P5a and P5b	5000	50000

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

General revision.

Section	Changed item	Change	Comments
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Labelling according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
3.2	Composition	Modified	
14.5	Transport information	Modified	
15.1	Water hazard class (WGK)	Modified	

### Abbreviations and acronyms:

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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet

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STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources : MSDS of the supplier. ECHA (European Chemicals Agency).

Department issuing data specification sheet: : KFT Chemieservice GmbH  
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Phone: +49 6155-8981-400 Fax: +49 6155 8981-500  
Safety Data Sheet Service: +49 6155 8981-522

Contact person : Dr. Sonja Fischer

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 3	H226	On basis of test data
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method

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STOT RE 1	H372	Calculation method
Asp. Tox. 1	H304	Expert judgment
Aquatic Chronic 3	H412	Calculation method

KFT SDS EU 01

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*