

Date: 12.03.2014

Previous date: 26.01.2010

Trade name and code:

UNIT SPRAY, SPECIAL SOLVENT SPRAY

**1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

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UNIT SPRAY, SPECIAL SOLVENT SPRAY

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

Paint thinner.

Field of application: Painting works

**1.3 Details of the supplier of the safety data sheet**

Producer/Importer

AS TIKKURILA

Address

Liimi 5, 10621, Tallinn, Estonia

Telephone

+372 6 501 111

Fax

+372 6 501 122

e-mail

[Info.ee@tikkurila.com](mailto:Info.ee@tikkurila.com)Responsible for SDS preparation [productsafety.ee@tikkurila.com](mailto:productsafety.ee@tikkurila.com)

+372 6 501 130 ( Office hours)

**1.4 Emergency telephone number**

112 (in Estonia, 24h)

Poison centre number

16655( in Estonia, Office hours )

**2. HAZARD IDENTIFICATION****2.1. Classification of the substance or mixture:**

Classification according to directive EC 1995/45

F, R11, Xn, R38, R65, R67, N, R51/53

Classification according to directive EC 1272/2008

Flam.Liq. 2, H225

Skin.Irrit. 2, H315

STOT SE 3, H336

Asp.tox 1, H304

Aquatic Chronic 2, H411

**2.2. Label elements:**

1272/2008 (CLP)

GHS02 - GHS08 - GHS07-GHS09

Signal word: **Danger****Hazard statement**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statement :**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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**Special regulations on certain preparations:** Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics.  
EU number 927-510-4.

**2.3. Other hazards:** Vapour is heavier than air and can form explosive mixtures with air. Evaporates readily. Vapours may cause irritation to the eyes, respiratory system and the skin. Risk of soil and ground water contamination.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances:-

#### 3.2 Mixtures:

##### Hazardous components and their classification:

| EC Number | CAS Number | Chemical name of ingredient                      | Concentration | Classification  |
|-----------|------------|--|---------------|---|
| -         | -          | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 100           | (CLP)<br>Flam.Liq. 2, H225<br>Skin.Irrit. 2, H315<br>STOT SE 3, H336<br>Asp.tox 1, H304<br>Aquatic Chronic 2, H411<br><br>(DSD - DPD):<br>F, R11, Xn, R38, R65,<br>R67, N, R51/53 |

**Other information:** For meaning of symbols see section 16.

Identity outside the EU (CAS number and name of the substance): 64742-49-0, Naphtha (petroleum), hydrotreated light. Previous EC number: 265-151-9. Registration number (REACH) 01-2119475515-33-0007

### 4. FIRST AID MEASURES

**4.1. Description of first aid measures:** In cases of doubt, seek medical attention.

**4.1.2 Inhalation:** Remove patient to fresh air. If patient feels unwell, call for medical aid.

**4.1.3 Skin contact:** Remove contaminated clothing, wash skin with clean water and soap, if required apply skin cream. On heavy contamination, use an appropriate cleanser.

**4.1.4 Eye contact:** Remove contact lenses. Holding eyelids apart, flush eyes immediately with clean fresh water (at least 15 minutes). If irritation continues, seek medical advice.

**4.1.5 Ingestion:** Let patient drink water or milk or activated carbon. If patient feels unwell, call for medical aid. Do not induce vomiting.

**4.2. Most important symptoms and effects, both acute and delayed:** Repeated exposure may cause skin dryness or cracking

**4.3. Indication of any immediate medical attention and special treatment needed:** If swallowed may develop dangerous chemical burns in lungs. If patient feels unwell, call for medical aid

### 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

**5.1.1 Suitable extinguishing media:** Recommended: powder, alcohol resistant foam, CO<sub>2</sub> fire extinguishers

**5.1.2 Extinguishing media which must not be used for safety reasons:** Water jet, can spread fire.

**5.2. Special hazards arising from the substance or mixture:** Highly flammable. Explosion risk if vapour, which is heavier than air, accumulates into hollows or confined spaces. Explosion risk due to pressure increase if product containers or tanks are subjected to fire. May produce black fumes, when burning. Avoid breathing of hazardous gases CO, CO<sub>2</sub>.

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**5.3. Advice for firefighters:** Full protective equipment, breathing apparatus. Cool product containers and tanks near the fire with water spray from a sufficiently safe distance. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## 6. ACCIDENTAL RELEASE MEASURES

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

Immediately stop all fire hazardous activities ( smoking, welding , other spark inducing jobs) near the spill. Refer to protective measures listed in sections 7 and 8. Avoid breathing fumes.

**6.2. Environmental precautions:** Do not allow the product to enter sewage systems, water course, ground waters and do not pour it onto the ground. In case of spill, immediately contact local authorities. Risk of soil and ground water contamination.

**6.3. Methods and material for containment and cleaning up:** In case of spillage, contain and collect spilled product as soon as possible using neutral absorbent materials (sand, perlite, vermiculite etc.). Small amounts can be cleaned with solvent impregnated rag. Contaminated area may be treated with water solution of an alkaline cleanser. Avoid using of solvents. Collect the wastes into a closed receptacle for wastes and dispose it in an appropriate way according to local regulations

**6.4. Reference to other sections:** See also section 13 for waste disposal instructions.

## 7. HANDLING AND STORAGE

**7.1. Precautions for safe handling:** Vapours are heavier than air and may form explosive mixtures with air. limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Isolate from sources of heat, sparks and open flame. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. No sparking tools should be used. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in application area.

**7.2. Conditions for safe storage, including any incompatibilities:** Store in a well-ventilated enclosed area in closed containers at a moderate temperature. Keep container tightly closed. Keep away from sources of ignition. No smoking. Keep away from strong acids and alkali. Keep away from food and drink.

Suitable materials and coatings (chemical compatibility):

Teflon, polypropylene, polyethylene, stainless steel, carbon steel. Polyester

Unsuitable materials and coatings:

Butyl rubber, natural rubber, ethylene-propylene-diene monomer (EPDM), polystyrene.

**7.3. Specific end use(s):** None

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters:

| CAS n | Component name             | Exposure limits            |                                     |
|-------|----------------------------|----------------------------|-------------------------------------|
|       |                            | mg/m <sup>3</sup> //ppm 8h | mg/m <sup>3</sup> //ppm (15 min-1h) |
|       | Solvent naphtha, group 1 * | 500//-                     | -//-                                |

\*Supplier data exposure limits (HTP 2011, FIN) . See exposure limits applicable to your country

### DNELs

Workers (Long-term exposure, systemic effects):

Inhalation: 2085 mg/m<sup>3</sup>

Dermal: 300 mg/kg bw/d

Consumers (Long-term exposure, systemic effects)

Inhalation: 447 mg/m<sup>3</sup>

Dermal: 149 mg/kg bw/d

Oral: 149 mg/kg bw/d

DNEL = Derived No-Effect Level

### 8.2. Exposure controls

**8.2.1 Appropriate engineering controls:** Provide adequate ventilation.

**8.2.2 Individual protection measures**

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**8.2.2.1 Respiratory protection:** When working with airbrush, it is recommended to wear face mask with filter or respirator (organic vapour filter, type A2). Filter device could be used maximum 2 hours at a time. Filter devices must not be used in conditions where the oxygen level is low (< 17 vol.-%). At high concentrations a breathing apparatus must be used (self-contained or fresh air hose breathing apparatus). Filter must be changed often enough. Respirators according to standards EN 140 and EN 141

**8.2.2.2 Hand protection:** On long-term work or professional work with the product, it is recommended to wear protective it is recommended to wear protective gloves, e.g. № 706 (Laprene, 0.6 mm thick, index 6 – 480 minutes).

**8.2.2.3 Eye/face protection:** To protect eyes against splashes, wear protective safety goggles.

**8.2.2.4 Skin protection:** If necessary, wear protective clothing, which should preferably be of antistatic fabric, and non-slipping protective footwear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

|  |  |
|--|--|
| 9.1.1 Appearance                                 | mild smell, clear liquid r.                                    |
| 9.1.4 pH   | -  |
| 9.1.5 Melting point/freezing range               | -  |
| 9.1.6 Initial boiling point and boiling range    | 90-110 °C  |
| 9.1.7 Flash point                                | <0 °C -  |
| 9.1.10.1 Lower explosion limit                   | 1,4 % v/v  |
| 9.1.10.2 Upper explosion limit                   | 7,6 % v/v  |
| 9.1.11 Vapour pressure                           | 6,0 kPa (20 °C) (estimate)                                     |
| 9.1.13 Relative density                          | 0,75 (water = 1,0)   |
| 9.1.14 Solubility(ies)                           |  |
| 9.1.14.1 Water solubility                        | slightly soluble   |
| 9.1.14.2 Solvent solubility                      | -  |
| 9.1.17 Auto-ignition temperature                 | -  |
| 9.1.16 Partitioning coefficient, log Kow/log Pow | 2-7  |
| 9.1.18. Viscosity                                | < 2 mm <sup>2</sup> /s (40 °C; water= 0,6 mm <sup>2</sup> /s). |

### 9.2. Other information:

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity:** See section 10.5

**10.2. Chemical stability:** Stable under recommended storage and handling conditions (see section 7).

**10.3. Possibility of hazardous reactions:** See section 10.5

**10.4. Conditions to avoid:** Keep away from fire, sparks and heated surfaces. When exposed to high temperatures may produce hazardous decomposition products.

**10.5. Incompatible materials:** Avoid contact with strong alkalis or acids.

**10.6. Hazardous decomposition products:** Hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. may produce when exposed to high temperatures.

## 11. TOXYCOLOGICAL INFORMATION

### 11.1 Information on toxicological effects:

#### 11.1.1 Acute toxicity

Very low toxicity:

LD50/oral/rat >5840 mg/kg

LD50/dermal/rat = >2920 mg/kg (OECD 402)

LC50/inhalation/4h/rat = >23.3 mg/L (OECD 403)

#### 11.1.2 Irritation and corrosion

Causes skin irritation. (OECD 404) Repeated exposure may cause skin dryness or cracking.

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Non-irritating to the eyes. (F.D.A. 28 (110), 6.6.1963, para. 191.12, Test for eye irritants).

**11.1.3 Sensitisation:** Not a skin sensitizer. (OECD 406)

**11.1.7 Aspiration hazard** May be fatal if swallowed and enters airways. Aspiration of product into the lungs can cause fatal chemical pneumonitis

**11.1.8 Other information on acute toxicity**

**Inhalation:** Long term exposure to spray mist or solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

**Skin contact:** Repeated or prolonged contact with the preparation causes removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

**Ingestion:** Ingestion may cause nausea, diarrhoea and vomiting.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### 12.1.1 Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity:

fish: >LL50/96h 13.4mg/L (OECD 203)

crustacean:EL50/48h = 3 mg/L; EL0/48h = 2 mg/L (OECD 202)

alga: EL50/72h 10-30 mg/L; NOELR/72h = 10 mg/L (OECD 201)

Chronic aquatic toxicity:

fish: NOELR/28d = 1.53 mg/L (QSAR)

crustacean: NOELR/21d = 1mg/L; LOELR/21d = 2 mg/L; NOEC/21d = 0.17 mg/L;

LOEC/21d =0.32 mg/L (OECD 211)

#### 12.2 Persistence and degradability:

**12.2.1 Biodegradation:** Readily degradable (OECD 301F).

**12.3 Bioaccumulative potential:** No data available

**12.4 Mobility in soil:** No data available.

**12.5 Results of PBT and vPvB assessment:** This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

**12.6 Other adverse effects:** The product should not be allowed to enter drains or water courses.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods:

**Product wastes:** Clean working tools from liquid residues and wash them with water.

Disposal of wastes must be made in accordance with effective local regulations. Liquid waste code in compliance with the EC Directive: 08 01 11.

**Packaging waste:** Packing or empty product's container must be disposed of in accordance with effective local legislation. Before reusing, thoroughly clean the product's containers.

## 14. TRANSPORT INFORMATION

**14.1. UN number:** 1268

**14.2. UN proper shipping name:** Petroleum distillates n.o.. hydrocarbons

**14.3. Transport hazard class(es):** 3 ADR, 3 RID

**Road transport:** 3 class

**Sea transport:-**

**14.4. Packing group:** II

**14.5. Environmental hazards:** MARINE POLLUTANT

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14.6. Special precautions for user: -

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: -

14.8. Other info: EmS: S-E, F-E.

#### 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture: None known.

15.2. Chemical safety assessment: Has not been performed.

#### 16. OTHER INFORMATION

##### 16.5 Meaning of R-phrases mentioned in section 3

R11 Highly flammable.

R38 Irritating to skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

##### 16.8 Additional information

This Safety Data Sheet is prepared in accordance with Annex II (EU) No 453/2010 to Regulation (EC) No 1907/2006 (REACH).

The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Additional information available from:

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