

Date: 07.12.2013

Previous date: 26.01.2009

Trade name and code:

UNIT EKO, SPECIAL SOLVENT

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name and code:

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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

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Fax

+372 6 501 122

e-mail

Info.ee@tikkurila.comResponsible for SDS preparation 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**

Xn, R10, R65-R66

Classification according to directive EC 1272/2008

Flam- Liquid 3, H226

Asp. Tox 1, H304

STOT SE 3, H336

EUH 066

2.2. Label elements:**1272/2008 (CLP)****GHS07 - GHS08 - GHS02****Signal word: Danger****Hazard statement**

H226 Flammable liquid and vapour

H304 May be fatal if swallowed and enters airways..

H336 May cause drowsiness or dizziness

EUH066 Repeated exposure may cause skin dryness or cracking

Precautionary statement :

P210 Keep away from heat/ sparks/open flames/hot surfaces

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..

P102 Keep out of reach of children

Special regulations on certain preparations: Contains: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatic. EU number 919-857-5.

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2.3. Other hazards: No other known hazards

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
919-857-5	64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatic.	100	(CLP) Flam- Liquid 3, H226 Asp. Tox 1, H304 STOT SE 3, H336 EUH066 (DSD - DPD): R10, Xn; R65, R66

Other information: For meaning of symbols see section 16.

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, CO₂ 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: May produce black fumes, when burning. Avoid breathing of hazardous gases CO, CO₂.

5.3. Advice for firefighters: Full protective equipment, breathing apparatus.

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.

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

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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.

7.3. Specific end use(s): None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

CAS n	Component name	Exposure limits	
		mg/m ³ //ppm 8h	mg/m ³ //ppm (15 min-1h)
64742-48-9	Naphtha, hydrotreated heavy *	300//-	900//-

*Supplier data exposure limits. See exposure limits applicable to your country

8.2. Exposure controls

8.2.1 Appropriate engineering controls: Provide adequate ventilation.

8.2.2 Individual protection measures

8.2.2.1 Respiratory protection: When working with airbrush, it is recommended to wear face mask with filter or respirator (type P2 (II b) or AP).

8.2.2.2 Hand protection: On long-term work with the product, it is recommended to wear protective gloves of vinyl or latex. On the professional use of the product (as per EN 374), 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	Clear liquid with low viscosity
9.1.4 pH	
9.1.5 Melting point/freezing range	-
9.1.6 Initial boiling point and boiling range	150-200 °C
9.1.7 Flash point	36 °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	1,0 kPa (20 °C)
9.1.13 Relative density	0,8 (water = 1,0)
9.1.14 Solubility(ies)	
9.1.14.1 Water solubility	Not soluble
9.1.14.2 Solvent solubility	-
9.1.17 Auto-ignition temperature	-
9.1.16 Partitioning coefficient, log Kow/log	2-7

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Pow

9.1.18. Viscosity

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9.2. Other information: Evaporation rate (BuAc=1) 0,14

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: 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. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Aspiration hazard Naphtha, hydrotreated heavy may cause lung damage if inhaled.

11.1.3 Sensitisation: -

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: LC50 > 100 mg/L fish, water strider.

12.2 Persistence and degradability:

12.2.1 Biodegradation: Degradable (estimate) .

12.3 Bioaccumulative potential: logKow = 2-7 (octanol/water partition coefficient).

12.4 Mobility in soil: No data available.

12.5 Results of PBT and vPvB assessment: No data available.

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

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Road transport: 3 class

Sea transport:-

14.4. Packing group: III

14.5. Environmental hazards: The product is not classified as environmentally hazardous according to international transport regulations.

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:F-E,S-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

R10 Flammable

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

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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