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Reviewed Date: **January 2010**

1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product name: **THINNER**

Supplier: Varnish Solutions
65 Ballykeel Rd
Rathfriland
BT34 5AZ
www.VarnishSolutions.com

Phone: 028 3085 0156

Product Description: Aromatic Hydrocarbon.

2- COMPOSITION/INFORMATION AND INGREDIENTS

Chemical characterization

Description:

Mixture of substances listed below with nonhazardous additions.

Dangerous components:

| | |
|---|------|
| 64742-95-6 Solvent naphtha (petroleum), light arom. Xn; Risk phrases 10-65 | ns % |
| 95-63-6 1,2,4-trimethylbenzene Xn, N; Risk phrases 20-36/37/38-51 | ns % |
| 98~82-8 isopropylbenzene Xi; Risk phrases 10-37 | ns % |

3- HAZARD IDENTIFICATION

• Hazard Description:



Xn Harmful

N Dangerous for the environment

• Information concerning to particular hazards to man and environment

| | |
|------------|---|
| R 10 | Flammable. |
| R 20 | Harmful by inhalation. |
| R 36/37/38 | Irritating to eyes, respiratory system and skin. |
| R 65 | Harmful: may cause lung damage if swallowed. |
| R 51 | Toxic to aquatic organisms. |
| R 53 | May cause long-term adverse effects in the aquatic environment. |

• Classification system

The classification is according to the latest editions of the EO-lists, and extended by company and literature data.



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4- FIRST AID MEASURES

General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After Inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Get prompt medical attention. In case of unconsciousness place patient stably in side position for transportation.

Skin Exposure:

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 Ingestion (Swallowing):

Do not induce vomiting; call for medical help immediately.

This information should be taken with the patient when seeking medical advice

Do not give victim anything to drink if he is unconscious

5- FIRE FIGHTING MEASURES

Suitable extinguishing agents

Special powder for metal fires. Do not use water.

CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents

Water.

Water with full jet.

Protective equipment: Mount respiratory protective device.

6- ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Prevent seepage into sewage system, workpits and cellars.

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

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents



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7- HANDLING AND STORAGE

Handling

- **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

- **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Storage

- **Requirements to be met by storerooms and receptacles:**

Provide ventilation for receptacles.

Refer to Health & Safety guide HS(G)51 for storage of flammable liquids in containers

- **Information about storage in one common storage facility:**

Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

- **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

- **Storage class**

- **Class according to regulation on flammable liquids: A II**

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Additional information about design of technical facilities:**

No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

64742-95-6 Solvent naphtha (petroleum), light arom.

OEL: Short-term value: 150 mg/m³, 150 ml/m³

Long-term value: 150 mg/m³, 150 ml/m³

PER EXXON MSDS

98-82-8 isopropylbenzene

OEL: Short-term value: 365 mg/m³, 75 ml/m³

Long-term value: 245 mg/m³, 50 ml/m³

- **Additional information:**

The lists valid during the making were used as basis.

- **Personal protective equipment**

- **General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Ensure adequate ventilation when using.

- **Protection of hands:**

Solvent resistant gloves



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- **Eye protection:**



Tightly sealed goggles.

9- PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Form: | Liquid |
| Colour: | +30 Saybolt |
| Odour: | Aromatic |
| Melting point/Melting range: | Undetermined |
| Boiling point/Boiling range: | 160°C |
| Flash Point: | 44°C |
| Flammability (solid, gaseous): | Flammable |
| Ignition Temperature: | 420°C |
| Self-igniting: | Product is not self igniting |
| Danger of explosion: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible |
| Explosion Limits: | |
| Lower: | 0.7 Vol % |
| Upper: | 7.5 Vol % |
| Vapour pressure: | 5.0 hpa at 20°C |
| Density: | 0.870 g/cm ³ at 20°C |
| Solubility in / Miscibility with water: | Not miscible or difficult to mix |
| Viscosity: | 1 mPas at 20°C |
| Solvent content: | |
| Organic solvents: | 100% |

10- STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known

Dangerous decomposition products: No dangerous decomposition products known



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11- TOXICOLOGICAL INFORMATION

- **Acute toxicity:**

LD/Lc50 values relevant for classification:

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral: LD50: >6800 mg/kg (rat)

Derrnal: LD50: >3400 mg/kg (rab)

Inhalative: LC50/4 h: >10.2 mg/l (rat)

- **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 the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Harmful

Irritant

12- ECOLOGICAL INFORMATION

- **General notes:**

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.

13- DISPOSAL CONSIDERATIONS

Product:

Recommendation

Must not be disposed together with general waste. Do not allow product to reach sewage system.

Dispose of with registered waste disposal contractors only.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

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14- TRANSPORT INFORMATION

DOT regulations:

Hazard class: 3
 Identification number: UN1268
 Packing group: III

Proper shipping name (technical name) Petroleum distillates, n.o.s., contains low boiling point naphtha - unspecified

Land transport ADR/RID ADR/RID class: 3 Flammable liquids
 (cross-border)

Item: 31c

Danger code (Kemler): 30

UN-Number: 1268

Hazard label: 3

Description of goods: 1268 Petroleum distillates, n.o.s., contains low boiling point naphtha - unspecified

Maritime transport IMDG:

IMDG Class: 3.3

Page: 3345

UN Number: 1268

Packaging group: III

EMS Number: 3-07

MFAG: 310

Marine pollutant: Yes

Proper shipping name: Petroleum distillates, n.o.s., contains low boiling point naphtha - unspecified

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3

UN/ID Number: 1268

Packaging group: III

Proper shipping name: Petroleum distillates, n.o.s., contains low boiling point naphtha - unspecified

15- REGULATORY INFORMATION

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

Code letter and hazard designation of product:



Xn Harmful
 N Dangerous for the environment

Hazard-determining components of labelling:

Solvent naphtha (petroleum), light arom.
 1,2,4-trimethylbenzene



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Risk Phrases:

- R10 Flammable.
- R20 Harmful by inhalation.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R65 Harmful: may cause lung damage if swallowed.
- R51 Toxic to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.

Safety Phrases:

- S9 Keep container in a well-ventilated place.
- S16 Keep away from sources of ignition - No smoking.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S57 Use appropriate container to avoid environmental contamination.
- S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

National regulations:

Classification according to VbF: A II

Technical instructions (air):

Class Share in %

| | |
|----|------|
| II | 92.0 |
|----|------|

Waterhazard class:

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

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.

The purpose of this safety data sheet is to describe the products in terms of their safety requirements.

The data does not signify any warranty with regard to the products' properties.