



OCEAN53 PAINTS

PRODUCT HEALTH AND SAFETY DATA

Product Reference : LACQUER THINNER
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PRODUCT NAME : **LACQUER THINNER**
MANUFACTURER : **Ocean53 Paints**
New Industrial Area
Umm Al Quwain
United Arab Emirates

1. DESCRIPTION:

Lacquer Thinner is a general purpose thinner for different kinds of paints

2. COMPOSITION / INFORMATION ON INGREDIENTS:

The following ingredients have recognized health effects or exposure limits and are present in concentrations above the limits laid down in the chemicals (Hazard information and packaging for supply) Regulations 1994 (CHIP 2)

| Substance | Weight in Paint | Classification | Risk Phrases* | CAS Number |
|-----------------------------|-----------------|----------------|---------------|------------|
| Xylene (mixture of isomers) | 30-45% | Xi Xn | R38 R20/21 | 1330-20-7 |
| 1-Methoxy-2-Propyl Acetate | 2-5% | Xi | R36 R20/21 | 283-152-28 |
| Methanol | 5-10% | T | R23/25 | 67-56-1 |
| Acetone | 10-15% | Xi | R10 66 | 67-64-1 |
| Butyl Acetate | 20-25% | Xi | R:10-66-67 | 123-86-4 |

*For full details of R-phrases, see section 16

3. HAZARD IDENTIFICATION:

This material has been assessed under the Chemicals (Hazard Information and Packaging for Supply)

Regulations 1994 and has been classified as follows: -

Xn R10 Flammable.
Xn R65 Harmful: may cause lung damage if swallowed

4. FIRST-AID MEASURES

General:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person

Inhalation:

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position. Seek medical advice.

Eye contact:

Contact lenses should be removed. Irrigate copiously with clean, fresh water for atleast 10 minutes, holding the eyelids apart. Seek medical advice.

Skin contact:

Remove contaminated clothing, wash skin thoroughly with soap and water, or use a proprietary skin cleanser. Do not use solvents or thinners. Seek medical advice if symptoms persist.

Ingestion:

If accidentally swallowed, DO NOT INDUCE VOMITING. Keep at rest and obtain medical attention.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Use alcohol resistant foam, carbon dioxide, dry powder or water spray/mist. Do NOT use water jet.

Recommendations

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Appropriate self- contained breathing apparatus may be required. Cool closed containers exposed to fire With water spray. Do not allow run-off from fire-fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES:

Exclude non-essential personnel. Exclude sources of ignition and ventilate the area. Avoid breathing vapor. Refer to protective measures listed in (7) below. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite or diatomaceous earth and place in a suitable container for safe disposal according to local regulations (see section 12). Clean preferably with a detergent; avoid the use of solvents. This material and its container must be disposed of in a safe way. Do not contaminate ponds, waterways or ditches with chemical or used container. If the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations

7. HANDLING AND STORAGE

Handling:

Vapors are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid concentrations higher than the occupational exposure limits.

Additionally the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard

Keep the container tightly closed .Exclude sources of heat, spark and open fire. On sparking tools should be used

Required air 114 m³/ltr
Quantity to ventilate
to 10% of the LEL.

The above figure is given as a guide only. Ventilation and extraction must be arranged so that all parts of the workplace are properly ventilated i.e. there are no recesses or pockets where high vapor concentrations are allowed to build up.

If there is any doubt about the adequacy of the ventilation/extraction of solvent vapour, regular monitoring of confined workplaces should be carried out.

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use.

For personal protection, see Section 8. Never use pressure to empty; the container is not a pressure vessel.

Good housekeeping standards and regular safe removal of waste materials will minimize the risks of spontaneous combustion and other fire hazards.

Storage:

Although the storage of this product is not subject to specific statutory requirements, the principles contained in the HSE guidance note Storage of Flammable Liquids in Containers, should be observed..

Observe the label precautions. Store between 5°C and 35°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are open should be properly re-sealed and kept upright to prevent leakage

The principles contained in the HSE guidance note Storage of Packaged Dangerous Substances should be observed when storing this product. Store separately from oxidizing agents and strongly alkaline and strongly acidic materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see 'Personal Protection' below).

Exposure Limits

Occupational Exposure Standards and/or Maximum Exposure Limits have been established by the Health and Safety Commission or recommended by the supplier for certain of the ingredients. OELs are taken from the current version of EH40 except those marked 'Sup', which are assigned by the supplier of the substance.

Occupational Exposure Limits

| Substance | 8 hr TWA¹ 15 min STEL² Notes | |
|-----------------------------|---|-------------|
| Xylene (mixture of isomers) | 100ppm(OES) | 150ppm(OES) |
| Butyl Acetate | 150ppm(OES) | 200ppm(OES) |

| | | |
|----------------------------|-------------|--------------|
| Methanol | 200ppm(OES) | 250ppm(OES) |
| 1-Methoxy-2-Propyl Acetate | 50ppm(OES) | 100ppm(OES) |
| Acetone | 750ppm(OES) | 1000ppm(OES) |

¹ Long term exposure limit - 8 hour time weighted average

² Short term exposure limit - 15 minute reference period

³ There is a risk of absorption through unbroken skin
OES Occupational exposure standard

Further guidance on OES/MEL and the assessment of occupational exposure to harmful materials, including mixed exposures, is given in HSE Guidance Note EH40.

Personal Protection

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet requirements of the COSHH Regulations.

Respiratory Protection Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the Occupational Exposure limits and engineering controls and methods cannot reasonably be improved.

Dry-sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Hand Protection When skin exposure may occur, advice should be sought from glove suppliers on appropriate types.

Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye Protection Eye protection designed to protect against liquid splashes should be Worn.

Skin Protection Cotton or cotton/synthetic overalls or coveralls are normally suitable.

Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleanser

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------|-------------------------|
| Physical State | liquid |
| Odour | Characteristic odor |
| Colour | Clear |
| Density | 0.880 g/cm ³ |
| Volatile Organic content | 880 g/litre |
| Flash Point | 10°C |

Water Solubility Easily soluble with cold water

10. STABILITY & REACTIVITY:

Stable under the recommended storage and handling conditions (see Section 7).

In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon Dioxide and oxides of nitrogen may be produced. Keep away from oxidizing agents and Strongly alkaline and strongly acidic materials to prevent the possibility of exothermic Reaction

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself.

Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eye may cause irritation and reversible local damage.

Ingestion may result in the following effects: sore throat, abdominal pain, drowsiness,

12. ECOLOGICAL INFORMATION:

There is no experimental data available on the finished products. The products should not be allowed to enter drains or water-courses or deposited where they can affect ground or surface waters. The air pollution control requirements of regulations made under the Environmental Protection Act may apply to the use of these products.

13. DISPOSAL CONSIDERATIONS:

Do not allow to enter drains or water courses, or dispose of where ground or surface waters may be affected.

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet, advice should be obtained from the Environment Agency whether the special waste regulations apply.

14. TRANSPORT INFORMATION:



Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport Classification

| | |
|---|--|
| UN Number: 1263 Packing Group: III HAZARD LABEL(S): Flammable Liquid, marine pollutant | ADR/RID Class: Exempt ICI Tremcard: Exempt IMDG: Class: 3 MFAG: 310 EMS: 3-05 |
|---|--|

15. REGULATORY INFORMATION:

The product has been classified and labelled for supply in accordance with the CHIP 2 regulations as follows:-

| | |
|---|--|
|  |  |
| <p>IRRITANT Keep away from sources of ignition - No smoking. Keep out of reach of children. Ensure maximum ventilation during application and drying. When spraying, do not breathe spray, wear suitable respiratory equipment. On large interior surfaces or in confined spaces, wear air-fed respiratory equipment. Do not breathe vapour/spray. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water or proprietary skin cleanser. In case of insufficient ventilation, wear suitable respiratory equipment.</p> | |

The information contained in this safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations apply to the use of the products listed in this data sheet at work.

16. OTHER INFORMATION:

Full details of R-phrases are as follows:-

| | |
|-----------|--|
| R20/21/22 | Harmful by inhalation, in contact with skin and if swallowed |
| R20/22 | Harmful by inhalation and if swallowed |
| R43 | May cause sensitisation by skin contact. |
| R34/43 | May cause sensitization by skin contact |

Full details of S -phrases are as follows:- Text
for S:

S2 Keep out of reach of children

S24/25 Avoid contact with skin and eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water or a recognized skin cleaner.

S29 Do not empty into drains

S51 Use only in well ventilated areas.

The information in this data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use are outside the supplier's control, the user is responsible for ensuring the requirements of relevant legislation are complied with.

The information contained in this data sheet is based on the present state of knowledge and current 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.

Further information and relevant advice can be found in:

The Chemical (Hazard Information and Packaging for Supply) Regulations 1994

Control of Substances Hazardous to Health 1994

Manual Handling Operations Regulations 1992

Environmental Protection (Duty of Care) Regulations 1992

Occupational Exposure Limits, EH40

The Storage of Flammable Liquids in Containers, HS(G)51

Storage of Packaged Dangerous Substances, HS(G)71

The Approved Guide to the Classification and Labelling of Substances and

Preparations Dangerous for Supply (Second Edition), L63

The Approved Supply List, L76 The Approved Code of Practice: Safety Data Sheets for Substances and Preparations Dangerous for Supply, L62