

## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY INFORMATION

Product Name : **OXIGUARD 600**  
Application : Bituminous Liquid membrane  
Company : **Al Majara Polychem Ind. LLC**  
Address : P.O. Box, 66507, Sharjah, United Arab Emirates.  
Tel : +971-6 5360700  
Fax : +971-6 5360701

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Petroleum Asphalt, Mineral spirit, Rubber and fillers

### 3. HAZARD IDENTIFICATION

- Combustible liquid
- Vapours, Mists or fumes may irritate eyes and respiratory tract
- May cause central nervous system depression
- Direct contact may cause eye and skin irritation
- Heating may release toxic gases, which may accumulate in confined spaces
- Aspiration hazard if swallowed
- Asphalt may contain components that are skin cancer hazards

<b>HMIS rating:</b> Health – 1 Flammability – 2 Reactivity - 0	<b>NFPA rating:</b> Health – 2 Flammability – 2 Reactivity - 0
---	---

### Potential Health Hazards

### 4. First Aid Measures

<b>Eye contact:</b> May cause eye irritation resulting in tearing, stinging, redness or swelling. Vapours, mists, or fumes may be irritating.	Immediately flush eyes with plenty of water for at least 20 mins, occasionally lifting the eye lids to ensure thorough rinsing. Get medical attention if there is direct eye contact with hot material.
<b>Skin contact:</b> May cause skin irritation. Redness, drying and cracking of the skin (Dermatitis), may occur following prolonged and repeated contact. Prolonged and repeated exposure to asphalt fumes has been reported to cause skin discoloration, and may increase sensitivity to the sun.	Clean exposed skin with mild soap water. Do not use solvent or thinner to remove material from skin. Seek medical attention if irritation persists.
<b>Ingestion:</b> This may cause irritation of the digestive tract followed by vomiting and central nervous system depression. Avoid aspiration of vomit into the lungs which can cause inflammation or pneumonitis.	If swallowed do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration. Get immediate medical attention.
<b>Inhalation:</b> Exposure to fumes, vapours, or mists may cause irritation of the nose and throat, and possible signs of central nervous system depression (Symptoms may include headache, dizziness, loss of coordination and drowsiness). Loss of consciousness can occur in poorly ventilated or confined spaces. Use this product only in well-ventilated working conditions is not expected to cause adverse effects.	If inhalation over exposure to vapours, mists, or fumes occurs, remove person to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

**Note to Physician:** Medical personnel can soften and remove asphalt with petroleum jelly or white mineral oil. If large volumes have been swallowed gastric lavage should be considered. Patients may be predisposed to pneumonia during convalescence, and should be kept under observation.

### 5. FIRE-FIGHTING MEASURES

# OXIGUARD 600



Flash point: 40°C

Flammable limits: Lower – 0.8

Upper - 7.0

Auto ignition temperature: 220°C

**Extinguishing media:** Dry chemical powder, CO<sub>2</sub>, or foam. Avoid use of straight stream water.

**Special fire fighting procedures:** Avoid breathing irritating and potentially toxic fumes, including H<sub>2</sub>S gas. Fire fighters should not enter confined spaces without wearing Positive pressure breathing apparatus (SCBA) with full-face mask and full protective equipment. Water may be used to cool containers in a fire - exposed area.

**Unusual fire or explosion hazards:** When heated above the flash point of the mineral spirit component (>40°C), fumes may burn if ignition source is provided. Petroleum asphalt fumes can explode if emitted in an enclosed environment and supplied with an ignition source.

Containers exposed to heat from fires should be cooled to prevent vapour pressure build up which could result in container rupture.

## 6. ACCIDENTAL RELEASE MEASURES

**Precautions if material is spilled are released:** Material is combustible. Handling equipment **must** be grounded to prevent sparking. Remove ignition sources, ventilate area, avoid inhalation or skin contact by using appropriate precautions outlined in this MSDS. Stop leak and contain spilled material with absorbent material. Move containers from spill area. For larger spills, keep unnecessary people away. Notify proper authorities. Prevent material entering into drains, sewage, waterways etc. Spilled material should be disposed properly in accordance with local regulation.

**Waste disposal methods:** Dispose in accordance with applicable local regulations. Do not burn.

## 7. HANDLING AND STORAGE

**Storage temperature:** Store away from heat and all ignition sources and open flames.

**Precautions to be taken in handling and storing:** Avoid all ignition sources. Storage areas should be well ventilated to reduce fire and explosion hazards, and over exposure of personnel to vapors and fumes. Keep containers closed when not in use.

**Note:** Hydrogen sulfide, an extremely toxic gas, may be emitted from heated asphalt and may accumulate in confined spaces and storage tanks.

Used empty containers will have residue and can be dangerous. DO NOT PRESSURIZE, CUT, WELD BRAZE, SOLDER, DRILL GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

To prevent fire or explosion risk from static accumulation and discharge, effectively ground the product transfer system as per standard for petroleum products.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory Protection:** Generally not required in well-ventilated areas. If applicable standards are exceeded or likely to be exceeded use specific, air purifying standard respirator. In case the respirator is inadequate use a positive pressure self-contained breathing apparatus (SCBA). Follow all applicable respirator use, fitting, and training standards and regulations.

**Eye Protection:** Chemical safety goggles or face shield is required if spraying or eye contact is possible.

**Skin:** Chemical resistant gloves, apron, or other protective clothing needed to prevent skin contact.

**Ventilation:** Use only with adequate ventilation to maintain exposures at reduced levels. In limited ventilation areas local exhaust ventilation may be required. All equipments must be explosion proof.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	: black, thick viscous liquid
Odor	: Strong organic petroleum odor
Boiling range	: 110 – 225°C
Density	: 1.01 ± 0.015 g /cc
Flash point	: 40°C

## 10. STABILITY & REACTIVITY

**Stable under normal conditions. Keep away from heat, sparks, open flame or other ignition sources. Prevent vapour accumulation.**

**Materials to avoid: Strong acids or bases, oxidizing agents and selected amines.**

**Hazardous decomposition products: Carbon monoxide, carbon dioxide, Ozone, hydrogen sulfide, Oxides of sulfur and various hydrocarbons.**

## 11. TOXICOLOGICAL INFORMATION

Harmful if swallowed or over inhaled. Skin contact may lead to dermatitis. Eye, skin, and respiratory irritant.  
**Typical PEL 100 ppm.**

### Risk Phrases:

- R 22 – Harmful if swallowed
- R 36 – Irritating to eyes
- R 37 – Irritating to respiratory system
- R 38 – Irritating to skin

## 12. ECOLOGICAL INFORMATION

No specific data on this product. The naphtha and mineral spirit components are expected to volatilize in the environment and to be moderately toxic to both fresh water and marine organisms. The bio accumulation potential is unknown.

## 13. DISPOSAL CONSIDERATIONS

# OXIGUARD 600



Dispose in accordance with Federal, State, and Local regulations. Prevent materials entering to drains, Sewage, or waterways. Do not dump on the ground. Do not burn.

## 14. TRANSPORT INFORMATION

**DOT proper shipping name:** Asphalt rubberized liquid.

**DOT hazard classification:** Combustible liquid

**Dot labeling requirements:** Combustible liquid

**UN / NA number:** UN 1999

**PLACARDS:** Combustible liquid.

## 15. REGULATORY INFORMATION

**Labeling:** Flammable, Harmful

### R – Phrases:

10 Flammable

22 Harmful if swallowed

### S – Phrases:

16 - Keep away from sources of ignition

24 / 25 - Avoid contact with eyes and skin

36 /37 /39 - Wear suitable protective clothing, gloves and eye/face protection

28 - After contact with skin, wash immediately with plenty of soap and water.

46 - If swallowed seek medical advice immediately and show the label

**Further data:** Marine pollutant

## 16. OTHER INFORMATION

Preparation date: 28.04.04

Revision: --

Replaces: --

### Disclaimer of Liability

The information and recommendations contained herein are to the best of **Al Majara Polychem Ind. LLC** knowledge and belief, accurate and reliable as of date. **Al Majara Polychem Ind. LLC** does not warrant or guarantee their accuracy or reliability and **Al Majara Polychem Ind. LLC** shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination and it is the user's responsibility to satisfy itself that they are suitable and complete for its intended purpose.