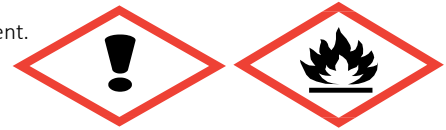


1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

- 1.1. Product Name: Solvoya[®] M4730-WS
- 1.2. Identified uses: Resin for paint and allied coating systems
- 1.3. Supplier Details: Egyptian British Co. | 2nd industrial zone Block no. 161-165, 6th of October city, Egypt
- 1.4. Authorized contacts: (Tel.) +20238202202-5lines | (Fax.) +20238202020 | (Email) samer.samir@egyptianbritish.net

2. HAZARDS IDENTIFICATION

- 2.1. Classification (EC 1272/2008): Physical and Chemical Hazards Flam. Liq. 3 - H226 | Human health EUH066; STOT SE 3 - H336 | Environment Aquatic
- 2.2. Classification (1999/45/EEC): N; R51/53. R10, R66, R67.
- 2.3. Environment: Contains a substance which causes risk of hazardous effects to the environment.
- 2.4. Label In Accordance With (EC) No. 1272/2008: Pictogram required.
- 2.5. This product contains XYLENE.
- 2.6. Prolonged contact with skin may cause irritation.



3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1. Mixtures: XYLENE < 1%
- 3.2. CAS-No.: 1330-20-7 | EC No.: 215-535-7 | Registration Number: 01-2119488216-32-xxxx
- 3.4. Classification (EC 1272/2008): Flam. Liq. 3 - H226 | Acute Tox. 4 - H312 | Acute Tox. 4 - H332 | Skin Irrit. 2 - H315
- 3.5. Classification (67/548/EEC): R10 | Xn; R20/21 | Xi; R38

4. FIRST AID MEASURES

- 4.1. Inhalation: Move the exposed person to fresh air at once. Rinse nose and mouth with water, get medical attention if any discomfort continues.
- 4.2. Ingestion: never make an unconscious person vomit or drink fluids! rinse mouth thoroughly, get medical attention if any discomfort continues.
- 4.3. Skin contact: Get medical attention if any discomfort continues. Remove affected person from source of contamination.
- 4.4. Eye contact: Remove any contact lenses from the eyes before rinsing, promptly wash eyes with plenty of water while lifting the eye lids
- 4.5. General information: The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

5. FIREFIGHTING MEASURES

- 5.1. Extinguishing media: Fire can be extinguished using: Dry chemicals, sand, dolomite etc. Water spray, fog or mist. Foam, carbon dioxide or dry powder.
- 5.2. Ingestion: never make an unconscious person vomit or drink fluids! rinse mouth thoroughly, get medical attention if any discomfort continues.
- 5.3. Hazardous combustion products: During fire, toxic gases (CO, CO2) are formed.
- 5.4. Unusual Fire & Explosion Hazards: No unusual fire or explosion hazards noted.
- 5.5. Specific hazards: The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Vapours heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.
- 5.6. Special Fire Fighting Procedures: Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Move container from fire area if it can be done without risk. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities. Avoid water in straight hose stream; will scatter and spread fire.
- 5.7. Protective equipment for fire-fighters: Proper protective equipment including breathing apparatus must be worn when approaching a fire.

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions: wear protective equipment and emergency procedures
- 6.2. Do not contaminate water sources or sewer.
- 6.3. Environmental precautions: Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Avoid discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.
- 6.4. Methods and material for containment and cleaning up: Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers
- 6.5. Reference to other sections: For personal protection, see section 8. For waste disposal, see section 13. See section 11 for additional information on health hazards.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling: Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted levels
- 7.2. Conditions for safe storage, including any incompatibilities: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep away from heat, sparks and open flame
- 7.3. Storage Class: Flammable liquid storage.
- 7.4. Specific end use(s): The identified uses for this product are detailed in Section 1.2.
- 7.5. Usage Description: Additive to paint and coatings.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
Xylene	Workplace Exposure Limits	50 ppm	220 mg/m ³	100 ppm	441 mg/m ³	could be absorbed through skin

- 8.2. Exposure controls: Protective equipments
- 8.3. Process conditions: Use engineering controls to reduce air contamination to permissible exposure level.
- 8.4. Engineering measures: Provide adequate general and local exhaust ventilation.
- 8.5. Respiratory equipment: No specific recommendation made. but respiratory protection must be used if the general level exceeds the limits
- 8.6. Hand protection: Use protective gloves.
- 8.7. Eye protection: Wear approved safety goggles.
- 8.8. Other Protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
- 8.9. Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

• Appearance	Clear, yellowish liquid. Viscous liquid.
• Colour	Amber.
• Odour	Characteristic.
• Solubility	Insoluble in water Emulsifiable in water. Very soluble in: Organic solvents
• Flash point	38 °C (Closed cup).
• Auto Ignition Temperature (°C)	>235
• Flammability Limit - Lower(%)	0.7
• Flammability Limit - Upper(%)	7.0
• Relative density-g/cm ³ @25°C	0.96
• Brookfield viscosity-cPs @25°C	3000 at 55%

10. STABILITY AND REACTIVITY

- 10.1. Reactivity: No specific reactivity hazards associated with this product.
- 10.2. Chemical stability: Stable under normal temperature conditions.
- 10.3. Possibility of hazardous reactions: Not applicable.
- 10.4. Hazardous Polymerisation: Not relevant
- 10.5. Polymerisation Description: Avoid heat.
- 10.6. Conditions to avoid: Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.
- 10.7. Incompatible materials: Strong oxidising substances.
- 10.8. Hazardous decomposition products: Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

- 11.1. Toxicological information:
- 11.2. Inhalation: Prolonged inhalation of high concentrations may damage respiratory system. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.
- 11.3. Ingestion: Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
- 11.4. Skin contact: Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.
- 11.5. Eye contact: May cause severe irritation to eyes.
- 11.6. Target Organs: Skin Eyes Respiratory system, lungs

12. ECOLOGICAL INFORMATION

- 12.1. Toxicity: Acute Fish Toxicity, Very toxic to aquatic organisms
- 12.2. Persistence and degradability: Inert polymer, Not biodegradable
- 12.3. Bioaccumulative potential: N/A
- 12.4. Mobility in soil: Not considered mobile.
- 12.5. Results of PBT and vPvB assessment: N/A
- 12.6. Other adverse effects: N/A

13. DISPOSAL CONSIDERATIONS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

- 14.1. Road Transport Notes: Avoid releasing to the environment.
- 14.2. Rail Transport Notes: Avoid releasing to the environment.
- 14.3. Sea Transport Notes: Do not release into the environment
- 14.4. Air Transport Notes Not classified.
- 14.5. UN number (ADR/RID/ADN): 1866
- 14.6. UN number (IMDG): 1866
- 14.7. UN number(ICA0): 1866
- 14.8. UN proper shipping name: Proper Shipping Name - RESIN SOLUTION
- 14.9. Transport hazard class(es): ADR/RID/ADN Class - Class 3: Flammable liquids.
ADR Label No.: 3
IMDG Class: 3
ICAO Class/Division: 3
- 14.10. Packing group ADR/RID/ADN Packing group: 23°C
- 14.11. Packing group IMDG Packing group: III
- 14.12. Packing group ICAO Packing group: III
- 14.13. EMS: F-E, S-E
- 14.14. Emergency Action Code: 3Y (UK)
- 14.15. Hazard No. (ADR): 30
- 14.16. Hazard No.(ADR): 30 Flammable liquid (flash-point between 23°C and 60°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 60°C, heated to a temperature equal to or above its flash-point, or self heating liquid
- 14.17. Transport: in bulk according to Annex II of MARPOL73/78 and the IBC Code

15. REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- 15.2. Statutory Instruments: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
- 15.3. Approved Code Of Practice: Classification and Labelling of Substances and Preparations Dangerous for Supply
- 15.4. Guidance Notes: Workplace Exposure Limits EH40. CHIP for everyone HSG(108).
- 15.5. EU Legislation: Regulation (EC) No 1272/2008 - amending and repealing Directives67/548/EEC and 1999/45/EC - (EC) No. 1907/2006 with amendments.

16. OTHER INFORMATION

16.1. Risk Phrases In Full

- R10: Flammable.
- R20/21: Harmful by inhalation and in contact with skin.
- R38 : Irritating to skin.
- NC : Not classified.
- R66: Repeated exposure may cause skin dryness or cracking.
- R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R67 : Vapours may cause drowsiness and dizziness.

16.2. Hazard Statements In Full

- H315 : Causes skin irritation.
- H226: Flammable liquid and vapour.
- H332 : Harmful if inhaled.
- H312 : Harmful in contact with skin
- H304: May be fatal if swallowed and enters airways.
- H336: May cause drowsiness or dizziness.
- EUH066 : Repeated exposure may cause skin dryness or cracking.
- H411 : Toxic to aquatic life with long lasting effects.

Egyptian British Company maintains Material Safety Data sheets (MSDS) on all of its products. These contain important information that you may need to protect your employees and customers against any known health and safety hazards associated with our products. We recommend you to obtain copies of MSDS for our products, from our technical representative, and obtain copies of MSDS from your suppliers of other raw materials used with our products.

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