1. **Identification of the substance/mixture and of the company/undertaking**

   **Designation/Trade name:** DELTA-SC® 2031
   **Use:** Industrial chemicals
   **Company:** DELTA specialties - Al-Moustafa For Industries & Designs
   Swiss compound, 4th Industrial Zone, 6th of October City
   A. Republic of Egypt
   **Tel.** +202 330 381 15 **Fax** +202 330 311 81
   **e-mail** info@deltaspwll.com **Website** www.deltaspwll.com

   **Emergency contact:** +202 383 008 97

2. **Hazards Identification**

   **Possible Hazards (according to Directive 67/548/EWG or 1999/45/EC)**
   Vapours may cause drowsiness and dizziness.
   Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
   Irritating to respiratory system.
   Repeated exposure may cause skin dryness or cracking.
   Flammable.

3. **Composition/Information on Ingredients**

   **Chemical nature**
   Solution based on: polysiloxane, hydrocarbon solvent

   **Hazardous ingredients**
   according to Directive 1999/45/EC

   Solvent naphtha (petroleum), light arom.
   - Content (W/W): >= 25 % - <= 50 %
   - CAS Number: 64742-95-6
   - EC-Number: 265-199-0
   - INDEX-Number: 649-356-00-4
   - Hazard symbol(s): N, Xn
   - R-phrase(s): 10, 37, 65, 66, 67, 51/53

   The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. **First-Aid Measures**

   **General advice**
   Remove contaminated clothing.

   **If inhaled**
   If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

   **On skin contact**
   Wash thoroughly with soap and water.

   **On contact with eyes**
   Wash affected eyes for at least 15 minutes under running water with eyelids held open.

   **On ingestion**
   Rinse mouth and then drink plenty of water.

   **Note to physician**
   Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. **Fire-Fighting Measures**

   **Suitable extinguishing media**
   dry powder, foam

   **Specific hazards**
   harmful vapours

   Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

   **Special protective equipment**
   Wear a self-contained breathing apparatus.
Further information

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions
Use personal protective clothing. Breathing protection required.

Environmental precautions
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up
For large amounts: Pump off product.
For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Handling
Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion
Sources of ignition should be kept well clear. Take precautionary measures against static discharges. If delivered in plastic packing, highest permissible emptying temperature is 5 Kelvin below the flash point.

Storage
Further information on storage conditions: Keep container tightly closed and in a cool place.

8. Exposure Controls/Personal Protection

Components with workplace control parameters
04742-95-6: Solvent naphtha (petroleum), light arom. (Content (W/W): >= 25 % - <= 50 %)

Personal protective equipment
Respiratory protection:
Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e.g. EN 14387 Type A)

Hand protection
Chemical resistant protective gloves (EN 374)
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):
fluorelastomer (FKM) - 0.7 mm coating thickness Polyethylene-Laminate (PE laminate) - ca. 0.1 mm coating thickness
Suitable materials short-term contact and/or splashes (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN 374)
nitrile rubber (NBR) - 0.4 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.
Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. Physical and Chemical Properties

Form: liquid
Colour: slightly yellow
Odour: characteristic
onset of boiling: approx. 157 °C
Flash point: 40 °C
Lower explosion limit: 0.7 % (V)
Upper explosion limit: 7.5 % (V)
10. **Stability and Reactivity**

**Conditions to avoid**
No special precautions other than good housekeeping of chemicals.

**Hazardous reactions**
No hazardous reactions when stored and handled according to instructions.

**Hazardous decomposition products**
No hazardous decomposition products if stored and handled as prescribed/indicated.

11. **Toxicological Information**

**Acute toxicity**
Experimental/calculated data: LD50 rat (oral): > 2,000 mg/kg
The statements are based on the properties of the individual components. No data available concerning acute toxicity.

**Other relevant toxicity information**
The product has not been tested. The statement has been derived from the properties of the individual components.

12. **Ecological Information**

**Additional information**
Other ecotoxicological advice:
The product has not been tested. The statement has been derived from the properties of the individual components.

13. **Disposal Considerations**

**Must be dumped or incinerated in accordance with local regulations.**

**Contaminated packaging**
Uncontaminated packaging can be re-used.
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. **Transport Information**

**Land transport**

ADR
- Hazard class: 3
- Packing group: III
- ID number: UN 1866
- Hazard label: 3, EHSM
- Proper shipping name: RESIN SOLUTION

RID
- Hazard class: 3
- Packing group: III
- ID number: UN 1866
- Hazard label: 3, EHSM
- Proper shipping name: RESIN SOLUTION

**Inland waterway transport**

ADNR
- Hazard class: 3
- Packing group: III
- ID number: UN 1866
- Hazard label: 3, EHSM
Proper shipping name: RESIN SOLUTION

Sea transport

IMDG
Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3, EHSM Marine pollutant: YES
Proper shipping name: RESIN SOLUTION

Air transport

IATA/ICAO
Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION

15. Regulatory Information
Regulations of the European union (Labelling) / National legislation/Regulations
as in Annex I of Directive 67/548/EEC:
Hazard symbol(s)
N Dangerous for the environment.
X1 Irritant.
R-phrase(s)
R67 Vapours may cause drowsiness and dizziness.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R37 Irritating to respiratory system.
R66 Repeated exposure may cause skin dryness or cracking.
R10 Flammable.
S-phrase(s)
S57 Use appropriate container to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S24 Avoid contact with skin.

Other regulations

16. Other Information
Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:
N Dangerous for the environment.
Xn Harmful.
10 Flammable.
37 Irritating to respiratory system.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The data contained in this material safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements.

The data do not describe the product specifications. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the
material safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

DELTA specialties team
Cairo 30.09.2010