

Material Safety Data Sheet
acc. to ISO/DIS 11014
TEKTON 34

Printing date 05/13/2011

Reviewed on 05/13/2011


1. IDENTIFICATION OF SUBSTANCE

- **Product details**
- **Trade name:** Cavity Wax
- **Article number:** Tekton 34
- **Application of the substance / the preparation:** Anticorrosion coating.
- **Manufacturer/Supplier:**
Chemicar USA
670 New York Street
Memphis, TN 38104
Tel: 901 274 3347
Fax: 901 274 8816
E-mail: sales@chemicar.com
- **Information department:** Product safety department.
- **Emergency information:** Tel: 800 424 9300 Chemtrec

2. COMPOSITION/DATA ON COMPONENTS

- **Chemical characterization:** Mixtures
 - **Description:** Mixture of the substances listed below with non-hazardous additions.
 - **Dangerous components:**
- | | | |
|-------------------|--|---------|
| CAS: 64742-82-1 | | |
| EINECS: 265-185-4 | Naphtha (petroleum), hydrodesulfurized heavy | 25-<50% |
| | | |
| CAS: 64742-48-9 | | |
| EINECS: 265-150-3 | Naphtha (petroleum), hydrotreated heavy | 5-<10% |
- **Additional information:** For the wording of the listed risk phrases refer to section 16

3. HAZARDS IDENTIFICATION

- **Classification of the substance or mixture**
 - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
-  **Dangerous for the environment**
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
Has a narcotizing effect.
 - **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

(Contd. on page 2)

- **Label elements**
- **Labelling according to EU guidelines:**
The product has been marked in accordance with national laws.
The product has been classified and marked in accordance with directives on hazardous materials.
The R and S phrases may be omitted if packaging contains no more than 0.125 liter.
- **Code letter and hazard designation of product:**
N Dangerous for the environment
- **Risk phrases:**
Flammable.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Repeated exposure may cause skin dryness or cracking
Vapours may cause drowsiness and dizziness
- **Safety phrases:**
Do not breathe fumes / aerosol
Avoid contact with skin.
In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
Use only in well-ventilated areas.
Use appropriate container to avoid environmental contamination.
This material and its container must be disposed of as hazardous waste.
- **Hazard description:**
- **Canadian Hazard Symbols**
B2 - Flammable liquid



- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
Health = 0
Fire = 3
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**
Health = 0
Fire = 3
Reactivity = 0
- **Other hazards**
The petroleum naphtha / petroleum distillate / lubricating oil meet the requirements for not being classified as carcinogenic (<0.1% Benzene alt<3% (w/w) DMSO-extrakt (IP 346))

4. FIRST AID MEASURES

- **After skin contact:** *If skin irritation continues, consult a doctor.*
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** *If symptoms persist consult doctor.*

5. FIRE FIGHTING MEASURES

- **Suitable extinguishing agents:** *CO₂, sand, extinguishing powder. Do not use water.*
- **For safety reasons unsuitable extinguishing agents:**
Water
Water with full jet
- **Special hazards arising from the substance or mixture** *No further relevant information available.*
- **Protective equipment:** *No special measures required.*

(Contd. on page 3)

6. ACCIDENTAL RELEASE MEASURES

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

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

· Methods and material for containment and cleaning up:

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

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

· Handling:

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of vapor.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

· Storage:

· Requirements to be met by storerooms and receptacles: No special requirements.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions: Keep receptacle tightly sealed.

· Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

· Additional information about design of technical systems: No further data; see item 7.

· Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· Additional information: The lists that were valid during the creation were used as basis.

· Personal protective equipment:

· General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / vapors.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands: Protective gloves

· Material of gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

> 480 min. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:

Tightly sealed goggles

· Body protection: Use protective suit.

(Contd. on page 4)

9. PHYSICAL AND CHEMICAL PROPERTIES

· **Appearance:**

Form: Fluid

Color: Beige

· **Odor:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 142°C

· **Flash point:** 36°C (DIN 53213)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 200°C

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

Lower: 0.6 Vol %

Upper: 7.0 Vol %

· **Vapor pressure at 20°C:** 2 hPa

· **Vapour pressure at 50°C:** 15 hPa

· **Density at 20°C:** 0.85 g/cm³ (DIN 51757)

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix.

· **Segregation coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic: Not determined.

Kinematic at 20°C: 30 s (DIN 53211/4)

· **Solvent content:**

Organic solvents: 52.8 %

VOC content: 52.8 %

Solids content: 47.2 % (DIN 53216)

· **Other information** No further relevant information available.

· **VOC (EU):** 52.80 %

· **VOC (EU):** 448.8 g/l

· **VOC (US):** 448.8 g/l / 3.75 lb/gl

10. STABILITY AND REACTIVITY

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Oral LD50 >5000 mg/kg (RAT)

Dermal LD50 >3000 mg/kg (RABBIT)

Inhalative LC50/4 h >2.8 mg/l (RAT)

(Contd. on page 5)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12. ECOLOGICAL INFORMATION

- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
 Water hazard class 2 (Self-assessment): hazardous for water
 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.
 Also poisonous for fish and plankton in water bodies.
 Toxic for aquatic organisms

13. DISPOSAL CONSIDERATIONS

- **Waste treatment methods**
- **Recommendation:**
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

- **DOT regulations:**



- **Hazard class:** 3
- **Identification number:** UN1139
- **Packing group:** III
- **Proper shipping name (technical name):** COATING SOLUTION
- **Label** 3

- **Land transport ADR/RID (cross-border):**



- **ADR/RID class:** 3 Flammable liquids
- **Danger code (Kemler):** 30
- **UN-Number:** 1139
- **Packaging group:** III
- **Special marking:** Symbol (fish and tree)
- **UN proper shipping name:** 1139 COATING SOLUTION, special provision 640E,
 ENVIRONMENTALLY HAZARDOUS

(Contd. on page 6)

Maritime transport IMDG:



- **IMDG Class:** 3
- **UN Number:** 1139
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Marine pollutant:** Yes
- **Special marking:** Symbol (fish and tree)
- **Proper shipping name:** COATING SOLUTION

Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1139
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** COATING SOLUTION
- **Environmental hazards:**

Product contains environmentally hazardous substances: Naphtha (petroleum), hydrodesulfurized heavy

Transport/Additional information:

For ADR and IMDG: Transport and packing are in accordance with the regulation for limited quantities. These products are therefore classified as no dangerous goods..

15. REGULATIONS

Product related hazard informations:

The product has been marked in accordance with national laws.

The product has been classified and marked in accordance with directives on hazardous materials.

The R and S phrases may be omitted if packaging contains no more than 0.125 liter.

Hazard symbols:

N Dangerous for the environment

Risk phrases:

Flammable.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Repeated exposure may cause skin dryness or cracking

Vapours may cause drowsiness and dizziness

Safety phrases:

Do not breathe fumes /vapors!

Avoid contact with skin.

In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

Use only in well-ventilated areas.

Use appropriate container to avoid environmental contamination.

This material and its container must be disposed of as hazardous waste.

National regulations:

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

· **Other regulations, limitations and prohibitive regulations**

· **please note:** 2-1

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.

· **Department issuing MSDS:** Product safety department.

· *** Data compared to the previous version altered.**