

# Material Safety Data Sheet

acc. to ISO/DIS 11014  
TEKTON 34

Printing date 09/04/2003 Reviewed on 09/04/2003

1 of 6 pages

## 1. IDENTIFICATION OF SUBSTANCE

· **Product details**

· **Trade name:** Cavity Wax

· **Article number:** Tekton 34

· **Application of the substance / the preparation:** Rust, corrosion protection

· **Manufacturer/Supplier:**

Chemical USA

670 New York Street

Memphis, TN 38104

Tel: 901 274 3347

Fax: 901 274 8816

E-mail: sales@chemical.com

· **Information department:** Product safety department.

· **Emergency information:** Tel: 800 424 9300 Chemtrec

## 2. COMPOSITION/DATA ON COMPONENTS

· **Chemical characterization**

· **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

Xn, , N; R 10-51/53-65-66-67

25-<50%

CAS: 64742-88-7

EINECS: 265-191-7

Solvent naphtha (petroleum), medium aliph.

Xn, R 10-65

5-<10%

CAS: 61789-86-4

Calcium Sulfonate

Xi; R36

1-<5%

· **Additional information:** For the wording of the listed risk phrases refer to section 16

### **3. HAZARDS IDENTIFICATION**

· **Hazard description:**

*N Dangerous for the environment*

· **Information pertaining to particular dangers for man and environment:**

*The product has to be labeled due to the calculation procedure of international guidelines. At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.*

*Has a narcotizing effect.*

*R 10 flammable.*

*R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment*

*R66 Repeated exposure may cause skin dryness or cracking*

*R 67 Vapors may cause drowsiness and dizziness*

· **Classification system:**

*The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.*

· **NFPA ratings (scale 0 - 4)**

*Health = 2*

*Fire = 2*

*Reactivity = 0*

· **HMS-ratings (scale 0 - 4)**

*Health = 2*

*Fire = 2*

*Reactivity = 0*

### **4. FIRST AID MEASURES**

· **General information:** *No special measures required.*

· **After inhalation:** *Supply fresh air; consult doctor in case of complaints*

· **After skin contact:** *Generally the product does not irritate the skin*

· **After eye contact:** *Rinse opened eye for several minutes under running water.*

· **After swallowing:** *If symptoms persist consult doctor.*

### **5. FIRE FIGHTING MEASURES**

· **Suitable extinguishing agents:**

*CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*

· **For safety reasons unsuitable extinguishing agents:** *Water with full jet*

· **Protective equipment:** *No special measures required*

### **6. ACCIDENTAL RELEASE MEASURES**

· **Person-related safety precautions:** *Wear protective equipment. Keep unprotected persons away.*

· **Measures for environmental protection:**

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

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

· **Measures for cleaning/collecting:**

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

*Ensure adequate ventilation.*

## 7. HANDLING AND STORAGE

· **Handling:**

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **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.

## 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:**

**471-34-1 Calcium carbonate (1-<5%)**

PEL 15\*; 5\*\* mg/m<sub>3</sub>

\*Total dust \*\*Respirable fraction

REL 10\*; 5\*\* mg/m<sub>3</sub>

\*Total dust \*\*Respirable fraction

TLV 10 mg/m<sub>3</sub>

(e)

· **CAS No. Designation of material % Type Value Unit**

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.

· **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**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

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 cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Tightly sealed goggles

Goggles recommended during refilling.

· **Body protection:** Use protective suit.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### · General Information

**Form:** Fluid

**Color:** Beige

**Odor:** Characteristic

### · Change in condition

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 135°C

· **Flash point:** 41°C (DIN 53213)

· **Ignition temperature:** 265.0°C

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

### · Explosion limits:

**Lower:** 0.7 Vol %

**Upper:** 6.5 Vol %

· **Vapor pressure at 20°C:** 4.0 hPa

· **Vapor pressure at 50°C:** 15 hPa

· **Density at 20°C:** 0.850 g/cm<sub>3</sub> (DIN 51757)

### · Solubility in / Miscibility with

**Water:** Not miscible or difficult to mix.

### · Viscosity:

**Kinematic at 20°C:** 30 s (DIN 53211/4)

### · Solvent content:

**Organic solvents:** 52.8 %

**VOC content:** 52.8%

· **Solids content:** 47.1 % (DIN 53216)

### · Additional information:

**VOC (EU):** 52.78 %

**VOC (EU):** 448.6 g/l

## 10. STABILITY AND REACTIVITY

### · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

### · Acute toxicity:

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

**64742-82-1 Naphtha (petroleum), hydrodesulpherized heavy.**

Oral LD50 >6500 mg/kg (RAT)

Dermal LD50 >3000 mg/kg (RAT)

### · Primary irritant effect:

· **on the skin** No irritant effect

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

## 12. ECOLOGICAL INFORMATION

· **Ecotoxicological effects:**

· **Remark:** Toxic for fish

· **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

**Product:**

· **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

· **Description of goods:** 1139 COATING SOLUTION, special provision 640E

· **Maritime transport IMDG:**

· **IMDG Class:** 3

· **UN Number:** 1139

· **Label** 3

· **Packaging group:** III

· **EMS Number:** F-E,S-E

· **Marine pollutant:** Yes

· **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

· **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 non-dangerous goods.

## **15. REGULATIONS**

### **Product related hazard information:**

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

#### **· Hazard symbols:**

*N Dangerous for the environment*

#### **· Risk phrases:**

*10 flammable.*

*51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment*

*66 Repeated exposure may cause skin dryness or cracking*

*67 Vapors may cause drowsiness and dizziness*

#### **· Safety phrases:**

*9 Keep container in a well-ventilated place.*

*23 Do not breath fumes/aerosol*

*24 Avoid contact with skin.*

*51 Use only in well-ventilated areas.*

*61 Avoid release to the environment. Refer to special instructions/Safety data sheets*

#### **· National regulations:**

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

## **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.*

#### **· Relevant R-phrases**

*10 Flammable.*

*36 Irritating to eyes..*

*51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment*

*65 Harmful: may cause lung damage if swallowed.*

*66 Repeated exposure may cause skin dryness or cracking*

*67 Vapors may cause drowsiness and dizziness*

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

#### **· Contact:**

*Ing. A Bookholt*

*Manager Research & Development*