MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: Tangit KS Cleanser
Product-Code: 44221

Intended use: Cleaner

Supplier:
HENKEL AUSTRALIA PTY. LIMITED
ADHESIVE TECHNOLOGIES
135-141 Canterbury Road
3137 Kilsyth, Victoria
Australia

Phone: +61 (3) 9724 6444

Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

SECTION 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

Classification of material F - Highly flammable

Risk phrases:
R11 Highly flammable.

Safety phrases:
S2 Keep out of the reach of children.
S7/9 Keep container tightly closed and in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.

Dangerous Goods information:
Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Signal word:
None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Identity of ingredients:

<table>
<thead>
<tr>
<th>Chemical ingredients</th>
<th>CAS-No.</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>&gt; 90 %</td>
</tr>
</tbody>
</table>
**SECTION 4. FIRST AID MEASURES**

**Ingestion:** Rinse mouth, do not induce vomiting, consult a doctor.

**Skin:** Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

**Eyes:** Rinse immediately with plenty of running water, seek medical advice if necessary.

**Inhalation:** Move to fresh air, consult doctor if complaint persists.

**First Aid facilities:** Eye wash and safety shower

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**SECTION 5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media:** carbon dioxide, foam, powder, water spray jet, fine water spray

**Improper extinguishing agent:** High pressure waterjet

**Particular danger in case of fire:** In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO2) can be released. Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. Cool pressurized can containers with jet of water. Containers may explode.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus. Wear protective equipment.

**Additional fire fighting advice:** Cool endangered containers with water spray jet.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions and emergency procedures:** Ensure adequate ventilation. Keep away from sources of ignition.

**Environmental precautions:** Do not empty into drains / surface water / ground water.

**Clean-up methods:** Remove with liquid-absorbing material (sand, peat, sawdust). Dispose of contaminated material as waste according to Chapter 13.

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**SECTION 7. HANDLING AND STORAGE**

**Precautions for safe handling:** Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains. Take measures to prevent the build-up of electrostatic charges.

**Conditions for safe storage:** Ensure adequate ventilation. Keep only in the original container. Close the container carefully after use and store it at a good ventilated place. Store protected from heat influence. Temperatures between + 5 °C and + 35 °C Do not store together with food or other consumables (coffee, tea, tobacco, etc.).
SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>form of exposure</th>
<th>TWA (ppm)</th>
<th>TWA (mg/m³)</th>
<th>Peak Limit. (mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL 64-17-5</td>
<td></td>
<td>1,000</td>
<td>1,880</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Engineering controls:** Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.

**Eye protection:** Protective goggles

**Skin protection:** Suitable protective clothing
Nitrile rubber gloves should be worn.

**Respiratory protection:** Suitable breathing mask when there is inadequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** colourless, clear

**Odor:** intensive, alcohol-like

**Boiling point:** 79 °C (174.2 °F)

**Flash point:** 12 °C (53.6 °F)

**Solubility:** Solvent: Water, Miscible

SECTION 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of temperature and pressure.

**Conditions to avoid:** Heat, flames, sparks and other sources of ignition.

**Incompatible materials:** Reaction with strong acids.
Reaction with oxidants.

**Hazardous decomposition products:** Oxides of carbon.

SECTION 11. TOXICOLOGICAL INFORMATION

**HEALTH EFFECTS:**

**Ingestion:** May cause dizziness, incoordination, headache, nausea, and vomiting.

**Skin:** Dryness.

**Eyes:** May cause mild irritation

**Inhalation:** Vapours may cause drowsiness and dizziness.
Toxicity data:
Acute oral toxicity: Ethanol
64-17-5
LD 50 (Rat) = 9.9 g/kg
LD 50 (Mouse) = 3,450 mg/kg
LD 50 (Rat) = 7,060 mg/kg
LD 50 (Guinea pig) = 5.6 g/kg
LD 50 (Rat) = 10.6 g/kg
LD 50 (Rat) = 17.8 g/kg
LD 50 (Rat) = 11.5 g/kg
LD 50 (Rat) = 6.2 g/kg

SECTION 12. ECOLOGICAL INFORMATION

General ecological information: Do not empty into drains / surface water / ground water.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal of product: Dispose of waste and residues in accordance with local authority requirements.
Recommended cleanser: Clean the packaging with water.
Disposal for uncleaned package: Use packages for recycling only when totally empty.

SECTION 14. TRANSPORT INFORMATION

Road and Rail Transport:

Dangerous Goods information: Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).
UN no.: 1170
Proper shipping name: ETHANOL SOLUTION
Class or division: 3
Packaging group: II
EPG: 3A1

Marine transport IMDG:

UN no.: 1170
Proper shipping name: ETHANOL SOLUTION
Class or division: 3
Packaging group: II
EmS: F-E, S-D
Seawater pollutant: -

Air transport IATA:

UN no.: 1170
Proper shipping name: Ethanol solution
Class or division: 3
Packaging group: II
Packaging instructions (passenger) 353
Packaging instructions (cargo) 364
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SECTION 15. REGULATORY INFORMATION

SUSDP Poisons Schedule: None

AICS: All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:
- ASCC - Australian Safety and Compensation Council
- SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons
- STEL - Short term exposure limit
- TWA - Time weighted average

Reason of change: New Material Safety Data Sheet format. involved chapters: 1-16

Date of previous issue: 02.04.2009

Disclaimer:
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