



MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TURCO DY-CHEK DEVELOPER STEP 4 AEROSOL

Proper Shipping Name: AEROSOLS

Product Code(s): 380320 (12X300 gram)

Use: Visible developer for crack detection

Supplier: HENKEL AUSTRALIA PTY. LIMITED ABN 82 001 302 996
ADHESIVE TECHNOLOGIES
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24 HOUR EMERGENCY CONTACT NUMBER: Tel: 1800 032 379

SECTION 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of ASCC. This material has been classified as Irritant (Xi).

Risk phrase(s):

R11 Highly flammable.
R36/37 Irritating to eyes and respiratory system.
R67 Vapours may cause drowsiness and dizziness.

Safety phrase(s):

S16 Keep away from sources of ignition.
S23 Do not breathe vapour/spray.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39 Wear eye/face protection.
S51 Use only in well ventilated areas.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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).

Class: 2.1

SUSDP POISON SCHEDULE: None allocated

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
Isopropanol	[67-63-0]	high, greater than 60% w/w
Amorphous silica	[7631-86-9]	low, less than 5% w/w
Aluminium hydroxide	[1344-28-1]	low, less than 10% w/w
Hydrocarbon propellant		10-30% w/w
Other ingredients determined not to be hazardous		low, less than 10% w/w

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SECTION 4. FIRST AID MEASURES

- Ingestion:** If swallowed, **do not induce** vomiting. For advice, contact a Poisons Information Centre (Phone 13 11 26) or a doctor.
- Skin:** Remove contaminated clothing and wash affected areas with plenty of water. If irritation occurs, seek medical attention.
- Eyes:** Hold eyes open and flush with water for at least 15 minutes. Seek medical attention.
- Inhalation:** If inhaled, remove from contaminated area. For all but the most minor symptoms, arrange for patient to be seen by a doctor.
- Advice to doctor:** Treat symptomatically.
- First Aid facilities:** Eye wash and washroom facilities

SECTION 5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Carbon dioxide, dry chemical, water fog.
- Hazards from combustion products:** Under fire conditions, it will produce carbon monoxide and irritating fumes.
- Precautions for fire fighters and special protective equipment:** Heating aerosol containers may cause an explosion. Evacuate unprotected personnel from hazardous area. Fire-fighters should wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Isolate all potential sources of ignition. Wear protective gloves, chemical goggles and waterproof boots. Contain and collect spillage with inert absorbent materials (e.g. sand, earth, vermiculite). Transfer to sealable containers suitable for storing spilled material. Clean and flush areas in contact with spilled material with adequate water to render the area safe for human contact. Wash down waters may still contain residues which require treatment through local effluent treatment plant. Do not contaminate watercourse. Dispose of residues in chemical waste disposal area in accordance with relevant State and Federal requirements.

SECTION 7. HANDLING AND STORAGE

Safe Handling: Observe recommendations made under SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION. Use with adequate ventilation. Wear butyl rubber gloves¹ and chemical splash goggles. Keep away from strong heat sources and naked flames.

Storage: Store indoors in a cool, dry, well ventilated area. Keep containers sealed when not in use. Protect from physical damage. This container is pressurised. Protect from sunlight and do not expose to temperatures exceeding 50°C. Store according to relevant State Dangerous Goods Storage Requirements.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards: TWA: 400 ppm (983 mg/m³) as isopropanol
STEL: 500 ppm (1230 mg/m³) as isopropanol

Engineering controls: A local mechanical exhaust system is required where vapour or mist is being generated.

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Personal protective equipment: Use good industrial hygiene. Avoid contact with skin and eyes. Wear overalls, safety footwear, butyl rubber gloves and chemical splash goggles. Use with adequate ventilation. If inhalation risk exists, wear a combined organic vapour/particulate respirator complying with the requirements of AS 1715 and AS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical data:

Appearance: White dispersion
Solubility: Forms a dispersion in water
Flash Point (TCC): 16°C approximately
Specific gravity: 0.85 @ 20°C

SECTION 10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of temperature and pressure.

Conditions to avoid: Heat, naked flames, sparks.

Incompatible materials: Keep away from oxidising agents, acids and amines.

Hazardous decomposition products: When heated to decomposition, it will emit carbon monoxide and irritating fumes.

Hazardous reactions: Product will not polymerise.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Acute:

Ingestion: If swallowed, may cause irritation to the mouth, throat and digestive tract. Systemic effects may include nausea, vomiting, headache, dizziness and decreased blood pressure.

Skin: Contact with skin may result in mild irritation.

Eyes: Liquid contact with the eyes can cause irritation.

Inhalation: Inhalation of vapour may cause respiratory irritation, headache, dizziness and drowsiness.

Chronic: Repeated or prolonged skin contact may cause defatting of the skin and lead to transient dermatitis.

Toxicity information: Oral LD₅₀ (rat) : 5045 mg/kg as isopropanol

SECTION 12. ECOLOGICAL INFORMATION

Avoid contaminating watercourse and soil. No ecological data is available for this product. This product is not expected to cause toxic effects to aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of this material should be undertaken by a registered chemical disposal company. Do not puncture or incinerate containers, even after use. Empty containers should be disposed of at approved land waste site.

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SECTION 14. TRANSPORT INFORMATION

UN Number: 1950
Proper Shipping Name: AEROSOLS
Class: 2.1
Packing Group: -
Hazchem code: 2YE
Emergency Information: Dangerous Goods-Initial Emergency Response Guide (SAA/SNZ HB 76)
Guide 49 or EPG 2DI

SECTION 15. REGULATORY INFORMATION

SUSDP POISON SCHEDULE: None allocated

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:

ASCC - Australian Safety and Compensation Council
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons
TWA - Time-weighted average

Reference(s):

1. Quick Selection Guide to Chemical Protective Clothing, Fourth Edition, 2003: Forsberg and Mansdorf, Wiley-Interscience.

DISCLAIMER:

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel Australia Pty. Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel Australia Pty. Limited concerning the properties of the material.

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