SAFETY DATA SHEET

SMARTCHECK DYE PEN DEVELOPER Aerosol

1. IDENTIFICATION

ACN 160 500 498
Emergency Contact (24 hours) 0402 458 926
Product Use: Developer used in Dye Penetrant Inspection
Packaging: Aerosols

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE ACCORDING TO THE CRITERIA OF GHS
DANGEROUS GOODS ACCORDING TO ADG Code
Poisons Schedule – Not Assigned

Hazard Statement

*H222 **DANGER** Extremely Flammable Aerosol (Category 1)
*H319 Causes eye irritation (category 4)
* H336 Vapours may cause dizziness and drowsiness (Category 3)
*AUH066 Repeated exposure May cause skin dryness and cracking (Category 3)

Precautionary Statement

* P260 Do not breathe fumes or mist
* P262 Do not get in eyes, skin and clothing
* P271 Use only in well ventilated areas
* P280 Wear suitable gloves and eye protection
* P210 Keep away from heat and open flames- No smoking
* P251 Pressurised container. Do not pierce or burn, even after use.

GHS Pictograms

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS Number	Proportion
Acetone	67-64-1	30-60%
Isopropanol	67-63-0	<10%
Butane (Propellant)	106-97-8	30-60%

All other ingredients are non-hazardous

4. FIRST AID MEASURES

Swallowed

If swallowed DO NOT induce vomiting. If vomiting occurs lean patient forward or lay them down on their side with their head down. If the patient is conscious give small amounts of water to drink. If symptoms persist transport the patient to hospital or a doctor.

Eyes

If the product comes into contact with the eyes, immediately flush the eye continuously with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists transport the patient to hospital or a doctor.

Skin

If skin contact occurs, remove any contaminated clothing and wash with water (and soap if available). If irritation persists transport the patient to hospital or a doctor.

Inhaled

If inhaled, remove patient to fresh air, lay them down. If patient is not breathing apply resuscitation. If symptoms persist transport the patient to a hospital or a doctor.

Advice to Doctor

Treat Symptomatically.

NOTE: In all severe cases contact a doctor or Poisons Information Centre (PH 131 126)

5. FIRE FIGHTING MEASURES

NOTE: Only attempt to fight the fire if safe to do so.

EXINGUISHING MEDIA

SMALL FIRE:

Water spray, dry chemical or CO_2.

LARGE FIRE

Water spray or fog.

Alert Fire Brigade.

If safe to do so, move undamaged containers from the area or keep containers cool by flooding with water.

FIRE/EXPLOSION HAZARD

Liquid and vapour are flammable.

Moderate fire hazard when exposed to heat or flame.

Vapour forms an explosive mix with air.

Moderate explosion hazard when exposed to heat or flame.

Vapour may travel considerable distance to source of ignition.

Heating may cause violent rupture of aerosol containers.

Aerosol cans may explode on exposure to naked flames.

Rupturing containers may rocket and scatter burning materials.

6. ACCIDENTAL RELEASE MEASURES

* Eliminate all sources of ignition and increase ventilation.
* Avoid contact with skin and eyes, wear vapour protective clothing, breathing protection, gloves and safety glasses.
* Stop the leak if safe to do so.
* Cover or absorb spill with sand, earth or vermiculite. Collect residues and seal in labelled drums for disposal.
* Damaged cans should be placed in a container outdoors, away from ignition sources until gas has dissipated, if safe to do so.
* Undamaged cans should be removed from the area and stored safely.
* Prevent entry into sewers, waterways and confined areas.

7. HANDLING AND STORAGE

* Store in a cool dry place away from direct sunlight. NO SMOKING.
* Store away from any sources of heat, ignition flames and sparks and away from oxidizing agents.
* Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Material	TWA (ppm)	TWA (mg/m³)	STEL (ppm)	STEL(mg/m³)
Acetone	500	1185	1000	2375
Isopropanol	400	983	500	1230
Butane	800	1900	-	-

Reference: Safe Work Australia- Workplace Exposure Standards for Airborne Contaminants.

Personal Protective Equipment

Eyes- Safety Glasses or Chemical Goggles as required under AS/NZS 1337

Clothing- Normal working overalls and footwear unless moderate exposure is expected then Nitrile or PVC.

Gloves- Nitrile or PVC if moderate exposure is expected.

Respiratory Protection- Type AX filter of sufficient capacity conforming to AS/NZS 1716 in situations where exposure limits are likely to be exceeded.

Engineering Controls

No smoking or sources of ignition.

Provide adequate ventilation.

The use of exhaust ventilation may be required if natural ventilation is not adequate.

If risk of overexposure exists, wear suitable Personal Protective Equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White powder suspended in a liquid with sweet solvent odour
Specific Gravity:	approx. 0.8 g/mL
Solubility in water:	Soluble
Volatile Component:	Approx 90%
Flash Point:	Approx -40°C
Flammability Limits:	2.5-12.8

10. STABILITY AND REACTIVITY

Product is considered stable under normal conditions of use.

Hazardous polymerisation will not occur

CONDITIONS CONTRIBUTING TO INSTABILITY

Open flames, heat, ignition sources, oxidizing agents (chlorine, nitrates, peroxides, etc).

HAZARDOUS DECOMPOSITION PRODUCTS

Emits acrid smoke, fumes and soot when heated to decomposition

11. TOXICOLOGICAL INFORMATION

Acute Health Effects:

If the product is handled in accordance with the label and this SDS, there should be no adverse health effects. Symptoms and effects from overexposure are:-

Eyes: May cause irritation to the eyes. The liquid may cause corneal burns.

Skin: May cause skin irritation after prolonged or repeated exposure and on contact may produce redness, swelling, itching, dryness and cracking (irritant contact dermatitis).

Swallowed: The product has a low level of toxicity, however if swallowed it may cause irritation to the throat, vomiting and diarrhoea.

Inhaled: May cause irritation to the nose, throat and respiratory tract. May cause dizziness, drowsiness, headaches, loss of coordination, loss of appetite and possibly loss of consciousness.

12. ECOLOGICAL INFORMATION

No data available. Do not discharge into sewers, drains or waterways.

13. DISPOSAL CONSIDERATIONS

Do not incinerate aerosol cans. Discharge contents of damaged aerosols, empty containers and unused product at an approved site in accordance with government requirements.

14. TRANSPORT INFORMATION

Proper Shipping Name:	Aerosols
UN Number:	1950
Dangerous Goods Class:	2.1
Packing Group:	Not allocated

15. REGULATORY INFORMATION

Poisons Schedule: None

All of the ingredients are on the AICS list.

16. OTHER INFORMATION

Revision Number: 3
Reason for Revision: Include GHS codes.

Revision Date: 1st February 2019 Next Revision Due Before: 1st February 2024

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