

# Safety Data Sheet



## Hazardous, Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: 1K Epoxy Etch Primer Aerosol

**Synonyms**

DNA Paints

1K Epoxy Etch Primer Aerosol

**Product Code**

APE0\_

**Recommended use:** Aerosol Primer

**Supplier:** Linkup Paint Supplies  
**Company No.:** 715122, NZBN: 9429038364761  
**Street Address:** 6 Killarney Lane  
Frankton, Hamilton 3204  
New Zealand  
**Telephone:** 07 847 0933  
**Email:** datasheets@linkup.co.nz

**Emergency Telephone number:** 0800 764 766

### 2. HAZARDS IDENTIFICATION

This material is hazardous according to the criteria of EPA New Zealand GHS 7.

**EPA Group Standard:** HSR002515 - Aerosols (Flammable) Group Standard 2020



**Signal Word**

Danger

**Hazard Classifications**

Flammable Gases - Category 1

Gases Under Pressure - Compressed Gas

Acute Toxicity - Inhalation - Category 4

Aspiration Hazard - Category 1

Skin Irritation - Category 2

Serious Eye Irritation - Category 2

Toxic to Reproduction - Category 2

Specific Target Organ Toxicity following Single Exposure - Category 3 - Narcotic Effects

Specific Target Organ Toxicity following Repeated Exposure - Category 2

Long Term Hazards to the Aquatic Environment - Category 3

**Hazard Statements**

H220 Extremely flammable gas.  
H280 Contains gas under pressure; may explode if heated.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H361 Suspected of damaging fertility or the unborn child .  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

# Safety Data Sheet



## Prevention Precautionary Statements

|      |                                                                           |
|------|---------------------------------------------------------------------------|
| P102 | Keep out of reach of children.                                            |
| P103 | Read carefully and follow all instructions.                               |
| P201 | Obtain special instructions before use.                                   |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking.          |
| P260 | Do not breathe dust, fume, gas, mist, vapours or spray.                   |
| P264 | Wash hands, face and all exposed skin thoroughly after handling.          |
| P271 | Use only outdoors or in a well-ventilated area.                           |
| P273 | Avoid release to the environment.                                         |
| P281 | Use personal protective equipment as required.                            |

## Response Precautionary Statements

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P101           | If medical advice is needed, have product container or label at hand.                                                            |
| P301+P310      | IF SWALLOWED: Immediately call a POISON CENTER/doctor.                                                                           |
| P302+P352      | IF ON SKIN: Wash with plenty of water and soap.                                                                                  |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P314           | Get medical advice/attention if you feel unwell.                                                                                 |
| P331           | Do NOT induce vomiting.                                                                                                          |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.                                                                         |
| P337+P313      | If eye irritation persists: Get medical advice/attention.                                                                        |
| P362           | Take off contaminated clothing.                                                                                                  |
| P377           | Leaking gas fire: Do not extinguish, unless leak can be stopped safely.                                                          |
| P381           | In case of leakage, eliminate all ignition sources.                                                                              |

## Storage Precautionary Statements

|           |                                                                  |
|-----------|------------------------------------------------------------------|
| P403      | Store in a well-ventilated place.                                |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405      | Store locked up.                                                 |
| P410+P403 | Protect from sunlight. Store in a well-ventilated place.         |

## Disposal Precautionary Statement

|      |                                                                                                           |
|------|-----------------------------------------------------------------------------------------------------------|
| P501 | Dispose of contents/container in accordance with local, regional, national and international regulations. |
|------|-----------------------------------------------------------------------------------------------------------|

## DANGEROUS GOOD CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

**Dangerous Goods Class:** 2.1

## 3. COMPOSITION INFORMATION

| CHEMICAL ENTITY                                                                | CAS NO     | PROPORTION |
|--------------------------------------------------------------------------------|------------|------------|
| Toluene                                                                        | 108-88-3   | 0-10 %     |
| 1-Butanol                                                                      | 71-36-3    | 0-5 %      |
| Acetic acid, ethyl ester                                                       | 141-78-6   | 0-5 %      |
| Xylene                                                                         | 1330-20-7  | 0-5 %      |
| Acetic acid, ethenyl ester, polymer with 1,1-bis(ethenyloxy)butane and ethenol | 27360-07-2 | 0-5 %      |
| Bisphenol-A epoxy resin                                                        | 25068-38-6 | <5 %       |
| Ethylene glycol mono butylether                                                | 111-76-2   | <5 %       |
| Phosphoric acid, zinc salt (2:3)                                               | 7779-90-0  | 0-5 %      |
| Benzene, ethyl-                                                                | 100-41-4   | <1 %       |

**Product Name:** 1K Epoxy Etch Primer Aerosol

**Reference No:** DNA101

**Issued:** 2025-06-03

**Version:** 1.0

**Page** 2 of 9

# Safety Data Sheet



|                                            |           |         |
|--------------------------------------------|-----------|---------|
| Phosphoric acid                            | 7664-38-2 | <1 %    |
| Ethane, 1,2-dimethoxy-                     | 110-71-4  | 0-50 %  |
| 2-Propanone                                | 67-64-1   | 0-20 %  |
| Ingredients determined to be Non-Hazardous |           | Balance |
|                                            |           | 100%    |

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

**Skin Contact:** If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance. For freeze burns, immediately flood burnt area with plenty of warm water (40 - 44 °C) and cover with a clean, dry dressing. Seek immediate medical assistance.

**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital. For freeze burns, Immediately irrigate with copious quantities of warm (40 - 44 °C) water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

**Ingestion:** Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Immediately call Poisons Centre or Doctor.

**PPE for First Aiders:** Wear safety shoes, gloves, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Notes to physician:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:** Not allocated

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

**Specific hazards:** Extremely flammable gas. Contains gas under pressure; may explode if heated. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

# Safety Data Sheet



**Fire fighting further advice:** Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of gas. If safe to do so, isolate the leak. Increase ventilation to assist with dispersion.

### LARGE SPILLS

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Use a spark-free shovel. If safe to do so, isolate the leak. Increase ventilation to assist with dispersion. If contamination of crops, sewers or waterways has occurred advise local emergency services.

**Dangerous Goods - Initial Emergency Response Guide No: 126**

## 7. HANDLING AND STORAGE

**Handling:** Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Do not expose to temperatures exceeding 50 °C/122 °F. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Division 2.1 Flammable Gas as per the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and/or the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and must be stored in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National occupational exposure limits:**

|                                      | TWA          |               | STEL |       | NOTICES        |
|--------------------------------------|--------------|---------------|------|-------|----------------|
|                                      | ppm          | mg/m3         | ppm  | mg/m3 |                |
| 2-Butoxyethanol (Butyl glycol ether) | 25           | 121           |      |       | skin           |
| Acetone                              | 500          | 1185          | 1000 | 2375  | bio            |
| Ethyl acetate                        | 200          | 720           |      |       |                |
| Ethyl benzene                        | 20           | 88            | 40   | 176   | skin; oto      |
| n-Butyl alcohol                      | Ceiling - 50 | Ceiling - 150 |      |       | skin           |
| Phosphoric acid                      |              | 1             |      |       |                |
| Toluene (Toluol)                     | 20           | 75            | 100  | 377   | skin; oto; bio |
| Xylene                               | 50           | 217           |      |       |                |

As published by WorkSafe New Zealand.

WES-TWA (Workplace Exposure Standard - Time-weighted average). The average airborne concentration of a substance calculated over an eight-hour working day.

WES-Ceiling (Workplace Exposure Standard - Ceiling). A concentration that should not be exceeded at any time during any part of the working day.

# Safety Data Sheet

WES-STEL (Workplace Exposure Standard - Short-term exposure limit). The 15-minute time weighted average exposure standard. Applies to any 15-minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Exposures at concentrations between the WES-TWA and the WES-STEL should be less than 15 minutes, should occur no more than four times per day, and there should be at least 60 minutes between successive exposures in this range.

|       |                                                          |
|-------|----------------------------------------------------------|
| ppm   | Parts of vapour or gas per million of air by volume.     |
| mg/m3 | Milligrams of substance per cubic metre of air.          |
| skin  | Skin absorption.                                         |
| bio   | Exposure can also be estimated by biological monitoring. |
| oto   | Ototoxin.                                                |

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Biological Limit Values:** As per the WorkSafe New Zealand the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected. When using this material, use explosive dust handling controls to minimise airborne dust and eliminate all ignition sources. Keep away from heat, hot surfaces, sparks and flame; prevent the build-up of static charges with appropriate earthing of equipment and personnel.

**Personal Protection Equipment:** SAFETY SHOES, GLOVES, SAFETY GLASSES, RESPIRATOR.



Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear safety shoes, gloves, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measures:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

# Safety Data Sheet



**Form:** Aerosol  
**Colour:** N AV  
**Odour:** Characteristic

**Solubility:** Immiscible  
**Specific Gravity:** N AV  
**Density:** N AV  
**Relative Vapour Density (air=1):** N AV  
**Vapour Pressure:** N APP  
**Flash Point (°C):** 4.00  
**Explosion/Flammability Limits:** N AV  
**Autoignition Temperature (°C):** N AV  
**Melting Point/Range (°C):** N AV  
**Boiling Point/Range (°C):** N AV  
**pH:** N APP  
**Viscosity:** N AV  
**Total VOC (g/Litre):** N AV

(Typical values only - consult specification sheet)  
N Av = Not available, N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible materials:** Oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

**Hazardous reactions:** No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Harmful if inhaled. Material may be an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

**Skin contact:** Contact with skin will result in irritation. Liquid splashes or spray may cause freeze burns.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. May cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopneumonia or pulmonary oedema.

**Eye contact:** An eye irritant. Liquid splashes or spray may cause freeze burns to the eye.

### Acute toxicity

**Inhalation:** This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): 2,500 ppm < LC<sub>50</sub> ≤ 20,000 ppm for gases

# Safety Data Sheet



**Skin contact:** This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients):  $LD_{50} > 2,000$  mg/Kg bw

**Ingestion:** This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients):  $LD_{50} > 2,000$  mg/Kg bw

**Corrosion/Irritancy:** Eye: this material has been classified as a Category 2 Hazard (reversible effects to eyes). Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin).

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

**Aspiration hazard:** This material has been classified as Aspiration Hazard - Category 1

**Specific target organ toxicity (single exposure):** This material has been classified as a Category 3 Hazard. Exposure via inhalation may result in depression of the central nervous system.

## Chronic Toxicity

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as a Category 2 - Substances that are suspected human reproductive or developmental toxicants.

**Specific target organ toxicity (repeat exposure):** This material has been classified as a Category 2 - Substances that are harmful to human target organs or systems.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients):  $> 100$  mg/L

**Chronic aquatic hazard:** This material has been classified as a Category Chronic 3 Hazard. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients):  $10 - 100$  mg/L, where the substance is not rapidly degradable and/or  $BCF \geq 500$  and/or  $\log K_{ow} \geq 4$ .

**Ecotoxicity in the soil environment:** This material has been classified as non-hazardous.

**Ecotoxicity to terrestrial vertebrates:** This material has been classified as non-hazardous.

**Ecotoxicity to terrestrial invertebrates:** This material has been classified as non-hazardous.

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

# Safety Data Sheet

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



**UN No:** 1950  
**Dangerous Goods Class:** 2.1  
**Packing Group:** None  
**Hazchem Code:** Not allocated  
**Emergency Response Guide No:** 126  
**Limited Quantities** 1,000 mL

**Proper Shipping Name:** AEROSOLS

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable liquids (Class 3), if both are in bulk, flammable solids (Class 4.1), spontaneously combustible substances (Class 4.2), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7). Exemptions may apply.

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



**UN No:** 1950  
**Dangerous Goods Class:** 2.1  
**Packing Group:** None  
**Limited Quantities:** 1,000 mL  
**Proper Shipping Name:** AEROSOLS

### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



**UN No:** 1950  
**Dangerous Goods Class:** 2.1

# Safety Data Sheet



**Packing Group:** None  
**Limited Quantities:** 30 kg G  
**Proper Shipping Name:** AEROSOLS, FLAMMABLE

## 15. REGULATORY INFORMATION

**This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)  
International Convention for the Prevention of Pollution from Ships (MARPOL)

**This material is subject to the following international agreements:**

Basel Convention (Hazardous Waste)  
• Wastes from production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish

**This material/constituent(s) is covered by the following requirements:**

NZ EPA Status: All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

AICIS Status: Formulations where all components are AICS listed.

**EPA Group Standard:** HSR002515 - Aerosols (Flammable) Group Standard 2020

## 16. OTHER INFORMATION

Reason for issue: First Issue

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.