

EPR 2PK CHROMATE ETCH PRIMER BASE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: 2PK CHROMATE ETCH PRIMER BASE
Product code: PP2PackPrimer
Product description: Etch primer epoxy paint.
CAS No.: Not applicable.
EC No.: Not applicable.
Index No.: Not applicable.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s): Etch primer epoxy paint for application to metallic substrates by conventional and airless spray.
Uses advised against: Follow supplier's recommendations on correct use of the product.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Stationary Engine Parts Ltd
T/A Paragon Paints
Wheldrake Lane
Elvington
York
North Yorkshire
YO41 4AZ
Telephone: +44 (0)1904 607584
E-mail: info@paragonpaints.co.uk

1.4 Emergency telephone number

In case of emergency, call: +44 (0) 7774 460658 (UK number, 24 hours, 7 days)

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)
Flammable Liquid 2; H225

Skin Irritant 2; H315
Eye Damage 1; H318
Skin Sensitiser 1; H317
Carcinogen 1A; H350
Specific Target Organ Toxicity Single Exposure 3; H335
Specific Target Organ Toxicity Single Exposure 2; H336
Aquatic Chronic Toxicity 2; H411

2.2 Label elements according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictogram(s):



Signal Word:

Danger

Hazard Statement(s):

H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H350: May cause cancer.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

P201: Obtain special instructions before use.
P202: Do not handle until all safety instructions have been read and understood.
P210: Keep away from heat / sparks / open flames / hot surfaces. No smoking.
P241: Use explosion-proof electrical equipment.
P281: Use personal protective equipment as required.
P261: Avoid breathing mist/vapours/spray.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P304 + P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338: IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313: IF exposed or concerned: Get medical advice/attention.

P405: Store locked up.

P501: Dispose of contents/container to hazardous waste.

Supplemental Hazard information (EU):

None

Contains:

Isobutanol, Isopropanol, Zinc tetraoxychromate

2.3 Other hazards:

Product may charge electrostatically.

SECTION 3: Composition

3.2 Mixtures

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Chemical name	% w/w	CAS No.	EC No.	Index No.	Classification
Isopropanol <i>REACH Registration no.: 01-2119457588=25-xxxx</i>	34	67-63-0	200-661-7	603-177-00-0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Isobutanol <i>REACH Registration no.: 01-2119484609-23</i>	34	78-83-1	201-148-0	603-108-00-1	Flam. Liq. 3; H226 Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE3; H335 STOT SE3; H336
Zinc tetraoxychromate <i>REACH Registration no.: 01-2119638186-35-0000</i>	12	49663-84-5	256-418-0	024-007-00-3	Skin Sens. 1; H317 Carc. 1A; H350 Acute Tox. 4; H302 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Methyl ethyl ketone <i>REACH Registration no.: 01-2119457290-43</i>	< 6	78-93-3	201-159-0	606-002-00-3	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Urea P/W formaldehyde isobutylated	< 2	68002-18-6	-	-	Aquatic Chronic 4; H413
Fatty acids, C18 unsaturated trimers, compound with 9-octadecen-1-amine (Z)- <i>REACH Registration no.: 01-2119971821-33-0000</i>	0.1	147900-93-4	604-612-4	-	Acute Tox. 4; H302 Skin Sens. 1; H317 STOT RE2; H373 Aquatic Chronic 2; H411

See Section 16 for full description of H statements.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

INHALATION:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms, seek medical advice.
SKIN CONTACT:	Remove contaminated clothing immediately. Rinse skin with water or shower and wash with soap and water. Seek medical advice.
EYE CONTACT:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical advice.
INGESTION:	Clean mouth with water. Give small quantities of water to drink. Do NOT induce vomiting. Obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Serious eye damage, skin irritation, respiratory irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness.

4.3 Indication of any immediate medical attention and special treatments needed

Treat symptomatically.

SECTION 5: Fire-fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media:	Foam, CO ₂ or dry powder.
Unsuitable extinguishing media:	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Vapours may be heavier than air and may travel along the ground to a distant ignition source and flash back, causing fire or explosion. Containers may rupture on heating. Toxic gases may be formed in a fire, including oxides of Chromium.

5.3 Advice for fire-fighters

FLAMMABLE. Evacuate area. Prevent run-off from fire control or dilution from entering drains or water courses. Self-contained breathing apparatus and suitable protective clothing must be worn in fire conditions. Keep fire-exposed containers cool by spraying with water. Do not allow to enter drains, sewers or watercourses.

Flash point: 14 °C.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Eliminate sources of ignition. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear suitable personal and respiratory protective equipment. (see Section 8). Contaminated clothing should be thoroughly cleaned.

6.1.2 For emergency responders

Keep unnecessary personnel away. Wear suitable personal and respiratory protective equipment (see Section 8). Contaminated clothing should be thoroughly cleaned.

6.2 Environmental precautions

Collect spillage. Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

6.3 Methods and materials for containment and cleaning up

6.3.1 For containment

Stop the leak if it is safe to do so. Contain the spillage with sand, earth or any suitable adsorbent material.

6.3.2 For cleaning up

Use sand, earth or any suitable non-combustible adsorbent material to adsorb spillages. Using non-sparking tools transfer the contaminated adsorbent material into sealable containers for disposal. Containers should be sealed before being disposed of via an authorised waste disposal contractor.

6.3.3 Other advice

Wear suitable personal and respiratory protective equipment (see Section 8).

6.4 Reference to other sections

See Section 8 for personal protective equipment. See Section 13 for waste disposal.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety instructions have been read and understood. Ensure compliance with all regulations and guidance to protect workers from exposure to carcinogens.

Provide adequate ventilation, including local extraction to ensure the occupational exposure limit is not exceeded. Do not inhale vapours. Avoid contact with skin and eyes. Wear suitable personal and

respiratory protective equipment (see Section 8). Eliminate all sources of ignition. Electrical equipment should be protected to the appropriate standard.

Do not eat, drink or smoke when using this product. Wash exposed skin after use. Contaminated work clothing should not be allowed out of the workplace. Contaminated clothing should be thoroughly cleaned or disposed of as hazardous waste.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Keep from direct sunlight. Store locked up. Store only in the original container. Do not pressurise container. Product may charge electrostatically so all containers and associated equipment should be earthed and bonded to prevent static charge accumulation. Store in a cool, well ventilated place. Empty containers retain product residue and can be hazardous.

Ensure compliance with all regulations and guidance associated with the storage and use of flammable liquids.

See section 10 for incompatible materials.

7.3 Specific end uses(s)

Etch primer epoxy paint for application to metallic substrates by conventional and airless spray.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Workplace exposure limits (WEL) – United Kingdom

Source: EH40/2005, 2nd Ed., 2011

Substance	CAS no.	LTEL (8 hr TWA)		STEL (15 min)	
		ppm	mg/m ³	ppm	mg/m ³
Isopropanol	67-63-0	400	999	500	1250
Isobutanol	78-83-1	50	154	75	231

Other exposure limits

Consult applicable national legislation for WELs in other countries.

Biological limits

None assigned.

Derived No-Effect Level (DNEL) - industry

Substance	Dermal	Inhalation	Oral
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Substance	Dermal	Inhalation	Oral
Zinc tetraoxy-chromate	0.04 mg/kg (fertility)	0.05 mg/kg (carcinogenicity)	Not available

Predicted No-Effect Concentration (PNEC)

Substance	Aqua (fresh water)	Aqua (marine water)	Aqua (intermittent releases)	Sewage Treatment Plants	Sediment	Soil	Oral (secondary poisoning)
Zinc tetraoxy-chromate	0.0034 mg/l	N/A	N/A	0.21 mg/l	0.69 mg/kg	0.007 mg/kg	16.6 mg/kg

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction. Electrical equipment should be protected to the appropriate standard.

8.2.2 Personal protection:

A suitable and sufficient COSHH assessment must be undertaken and appropriate and compliant personal protective equipment (PPE) provided and used.

Eye protection:

Goggles or glasses giving complete protection to eyes (EN 166) or face shield.

Skin protection:

Appropriate barrier creams.

Hand protection:

Chemical resistant gloves. (EN 374). Recommended: Protective index 6, corresponding to > 480-minute permeation time.

Other:

Long sleeve protective clothing. Plastic apron. Rubber boots.

Respiratory protection:

If natural ventilation is inadequate, wear a respirator type APF 20, FFP3 (EN 149:2001) or equivalent.

8.2.3 Environmental exposure controls

Inform environmental manager of all incidents involving this product.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Thin yellow liquid

Odour: Solvent

Odour threshold: Not available

pH:	Not applicable
Melting/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	14 °C (closed cup)
Evaporation rate:	Not available
Flammability (solid; gas):	Not applicable
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available.
Vapour density:	Not available
Relative density:	0.9 to 1.1 (Water = 1)
Solubility:	Not available
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	2 to 3 poise (ICI Rotothinner)
Explosive properties:	Vapour may form explosive mixture with air
Oxidising properties:	Not oxidising

9.2 Other information

None

SECTION 10: Stability and Reactivity

10.1 Reactivity	Reacts with strong oxidising agents.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions expected during normal use.
10.4 Conditions to avoid	Keep away from sources of ignition, hot surfaces, direct sunlight and other sources of ignition.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition products	Combustion may liberate toxic smoke, fumes, incomplete combustion products, oxides of carbon and oxides of Chromium.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity	Low acute toxicity.
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Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Causes serious eye damage.
Skin sensitisation	May cause an allergic skin reaction.
Respiratory irritation	Vapour may irritate the nose, throat and lungs.
Respiratory sensitisation	Not a respiratory sensitiser.
Germ cell mutagenicity	Not mutagenic.
Carcinogenicity	May cause cancer. Zinc tetraoxochromate is classified as carcinogenic category 1A.
Reproductive toxicity	Not a reproductive toxin.
Specific Target Organ Toxicity – single exposure	Inhalation of high concentrations of vapour may cause respiratory tract irritation and drowsiness or dizziness.
Specific Target Organ Toxicity – repeated exposure	Not classified.
Aspiration hazard	Not classified.

Information on likely routes of exposure

Inhalation	See above
Skin contact	See above
Eye contact	See above
Ingestion	See above

Symptoms related to the physical, chemical and toxicological characteristics See above

Other information None

SECTION 12: Ecological Information

- 12.1 Toxicity** Product is toxic to aquatic life with long lasting effects.
- The following data is for Zinc tetraoxochromate:
 IC50 3h: 30 mg/l (*microorganisms*)
 NOEC 7d: 0.0047 mg/l (*Daphnia magna*)
 NOEC 72h: 0.01 mg/l (*Pseudokirchneriella subcapitata*)
 NOEC 8mo fish: 0.01 mg/l (*Salvelinus fontinalis*)
- 12.2 Persistence and degradability** Zinc tetraoxochromate is not readily biodegradable.

12.3 Bioaccumulative potential	Not available.
12.4 Mobility in soil	Not available.
12.5 Results of PBT and vPvB assessment	Not classified as PBT/vPvB by current EU criteria.
12.6 Other adverse effects	Not available.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Product and packaging to be disposed of as hazardous waste. Disposal should be in accordance with local, state or national legislation.

Contaminated adsorbent must be removed in sealed drums and disposed of via an authorised waste disposal contractor. Do not empty into drains; dispose of this material and its container in a safe way.

Empty containers may contain residue and may be dangerous. Do not attempt to refill or clean containers without proper instructions. Do not pressurise, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Residual flammable vapour may cause an explosion.

SECTION 14: Transport Information

ROAD (ADR)

14.1 UN Number	1263
14.2 UN Proper shipping name	PAINT RELATED PRODUCT
14.3 Transport hazard class(es)	3
14.4 Packing group	II
14.5 Environmental hazards	Yes

INLAND WATERWAYS (ADN/ADNR)

14.1 UN Number	1263
14.2 UN Proper shipping name	PAINT RELATED PRODUCT
14.3 Transport hazard class(es)	3
14.4 Packing group	II
14.5 Environmental hazards	Yes

RAIL (RID)

14.1 UN Number	1263
14.2 UN Proper shipping name	PAINT RELATED PRODUCT
14.3 Transport hazard class(es)	3
14.4 Packing group	II
14.5 Environmental hazards	Yes

AIR (IATA/ICAO)

14.1	UN Number	1263
14.2	UN Proper shipping name	PAINT RELATED PRODUCT
14.3	Transport hazard class(es)	3
14.4	Packing group	II
14.5	Environmental hazards	Yes

SEA (IMDG)

14.1	UN Number	1263
14.2	UN Proper shipping name	PAINT RELATED PRODUCT
14.3	Transport hazard class(es)	3
14.4	Packing group	II
14.5	Environmental hazards	Yes
14.6	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not intended to be transported in bulk

SECTION 15: Regulatory Information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006 as amended. The product has been classified in accordance with Regulation (EC) No. 1272/2008 (CLP).
15.2	Chemical Safety Assessment	Not applicable.

SECTION 16: Other Information

Full text of relevant H-statements:

H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eyes damage.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H350: May cause cancer.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.
H413: May cause long lasting harmful effects to aquatic life.

References:

Suppliers' Safety Data Sheets for components
Regulation (EC) No. 1272/2008
EH40/2005, 2nd Ed., 2011

Disclaimer:

THE INFORMATION PRESENTED HEREIN IS BELIEVED TO BE ACCURATE, BUT IS NOT WARRANTED TO BE, WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM, IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

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