



SAFETY DATA SHEET

1. Product and company identification

Product name TestATNseries
Other name HP FB210 Black Scitex Ink
Company identification HP New Zealand
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Auckland
New Zealand 1010
Telephone +64 9918 9134

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Recommended use and Limitations on use

Recommended use Inkjet printing

2. Hazards identification

GHS classification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 5
	Acute toxicity, dermal	Category 5
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
	Reproductive toxicity (fertility, the unborn child)	Category 1B
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
Specific target organ toxicity, repeated exposure	Category 1 (liver, respiratory system)	
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	

Label elements

Symbols



Signal word

Danger

Hazard statement

May be harmful if swallowed. May be harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. May cause respiratory irritation. Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

Obtain special instructions before use. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling.

Response	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If eye irritation persists: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Collect spillage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. IF exposed or concerned: Get medical attention/advice. Call a POISON CENTER/doctor/physician if you feel unwell. Take off contaminated clothing and wash before reuse.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

Supplemental information None.

3. Composition/information on ingredients

Substance or mixture	Mixture		
Chemical property		CAS Number	Concentration (%)
TRADE SECRET		Proprietary	<25
Acrylic acid ester		Proprietary	<20
Acrylate ester 3		Proprietary	<15
Glycerol, propylated, esters with acrylic acid		Proprietary	<15
Acrylic acid, Monoalkyl Ester		Proprietary	<10
Carbon Black Test		Mixture	<7.5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine		Proprietary	<5
Vinylcaprolactam		Proprietary	<5
Substituted Phosphine Oxide		Proprietary	<1
Vinylester resin	Propionic acid, 2-methyl-3,3'-(phenylphosphinylidene)di-, diallyl ester		<1
1-butanol		71-36-3	<0.1
4-Methoxyphenol		150-76-5	<0.1
Genorad 16 Proprietary Stabilizer		Proprietary	<0.1
Octyl decyl acrylate		Proprietary	<0.1

4. First aid measures

Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.
Ingestion	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.
Potential delayed effects	Not available.
Personal protection for first-aid responders	Not available.
Notes to physician	Not available.

5. Fire-fighting measures

Extinguishing media	Dry powder. Carbon dioxide (CO ₂). Water may be ineffective.
Extinguishing media to avoid	Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.
HAZCHEM Code Number	None.
Specific hazards during fire fighting	None.
Special fire fighting procedures	Avoid runoff into storm sewers and ditches which lead to waterways.

Protection of fire-fighters	Not available.
Hazards from combustion products	None.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment. Do not touch or walk through spilled material.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Spill cleanup methods	Not available.

7. Handling and storage

Handling

Precautions	Not available.
Safe handling advice	Avoid contact with skin, eyes and clothing.
Prevention of fire and explosion	Not available.

Storage

Suitable storage conditions	Keep away from excessive heat or cold. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Opaque, high density polyethylene (HDPE) containers are recommended for shipping and storage.
Incompatible materials	Not available.

8. Exposure controls/personal protection

Exposure limits

New Zealand. WES. (Workplace Exposure Standards)

Components	Type	Value
1-butanol (CAS 71-36-3)	Ceiling	150 mg/m3 50 ppm
4-Methoxyphenol (CAS 150-76-5)	TWA	5 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value
1-butanol (CAS 71-36-3)	TWA	20 ppm
4-Methoxyphenol (CAS 150-76-5)	TWA	5 mg/m3

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
1-butanol (CAS 71-36-3)	STEL	154 mg/m3 50 ppm

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Type	Value
1-butanol (CAS 71-36-3)	Ceiling	152 mg/m3 50 ppm
4-Methoxyphenol (CAS 150-76-5)	TWA	5 mg/m3

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value
4-Methoxyphenol (CAS 150-76-5)	TWA	5 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines Exposure limits have not been established for this product.

New Zealand WES: Skin designation

1-butanol (CAS 71-36-3) Skin absorption can be significant.

Engineering controls Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

Personal protective equipment

Respiratory protection Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection Recommended gloves: Nitrile 6 mil minimum thickness. Wear appropriate chemical resistant gloves.

Skin protection	Wear appropriate chemical resistant clothing.
Eye/face protection	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
Radioactive or thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Keep away from food and drink.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Color	Black.
Odor	Characteristic.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Boiling point, initial boiling point, and boiling range	Not available.
Flash point	> 212.0 °F (> 100.0 °C) Closed Cup EPA Method 1020
Auto-ignition temperature	Not available.
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Evaporation rate	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Other data	
VOC	< 95 g/L Method 24/ASTM D5409-93

10. Stability and reactivity

Stability	Stable under normal storage conditions.
Conditions to avoid	Exposure to sunlight.
Incompatible materials	Incompatible with strong bases and oxidizing agents. alkaline metals
Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Possibility of hazardous reactions	Hazardous polymerization can occur with decreased inhibitor content.

11. Toxicological information

Information on likely routes of exposure

Ingestion	Not available.
Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.
Acute toxicity	May be harmful if swallowed. May be harmful in contact with skin.
Routes of exposure	Not available.
Symptoms	Not available.

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory sensitizer	Based on available data, the classification criteria are not met.
Skin sensitizer	May cause sensitization by skin contact.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation.
Toxic to reproduction	May damage fertility. May damage the unborn child.
Specific target organ toxicity - single exposure	May cause irritation to the respiratory system.
Specific target organ toxicity - repeated exposure	Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.
Aspiration hazard	Based on available data, the classification criteria are not met.
Chronic effects	Not available.
Relevant negative data	Not available.
Other information	Complete toxicity data are not available for this specific formulation

12. Ecological information

Aquatic toxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product has not been tested for ecological effects.	
Ecotoxicity	Not available.	
Persistence and degradability	Not available.	
Bioaccumulation	Not available.	
Partition coefficient n-octanol/water (log Kow)		
1-butanol		0.88
4-Methoxyphenol		1.58
Bioconcentration factor (BCF)	Not available.	
Mobility	Not available.	
Other hazardous effects	Not available.	

13. Disposal considerations

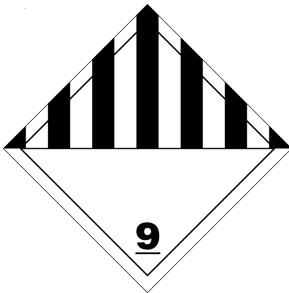
Disposal methods/information	Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.
Special precautions	Not available.

14. Transport information

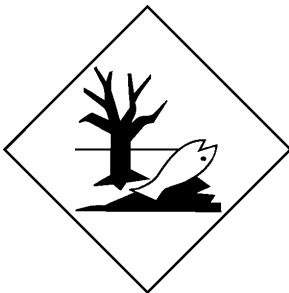
DOT	Not regulated as dangerous goods.
DOT Supplemental Information	DOT Classification only applies to shipments within the US and Puerto Rico.
IATA	
UN number	UN3082
UN proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	Yes
Special precautions for user	Not available.
IATA Supplemental Information	When shipping ≤ 5L inner packaging, Special Provision A197 may apply.
IMDG	
UN number	UN3082

UN proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative), MARINE POLLUTANT
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Transport hazard class(es)	
Marine pollutant	Yes
EmS	F-A, S-F
Special precautions for user	Not available.
IMDG Supplemental Information	When shipping ≤ 5L containers, IMDG 2.10.2.7 may apply.
ADR	
UN number	UN3082
UN proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Hazard No. (ADR)	Not available.
Tunnel restriction code	Not available.
Packing group	III
Environmental hazards	Yes
Special precautions for user	Not available.
ADR Supplemental Information	When shipping ≤ 5L containers, ADR 375 may apply.

ADR; IATA; IMDG



Marine pollutant



15. Regulatory information

Applicable regulations

New Zealand Inventory of Chemicals (NZIoC): Registration status

1-butanol (CAS 71-36-3)	HSNO Approved
4-Methoxyphenol (CAS 150-76-5)	HSNO Approved
Acrylate ester 3 (CAS Proprietary)	HSNO Approved
Acrylic acid ester (CAS Proprietary)	May be used as a component in a product covered by a group standard but it is not approved for use as a chemical in its own right.
Acrylic acid, Monoalkyl Ester (CAS Proprietary)	May be used as a single component chemical under an appropriate group standard
Diphenyl (2,4,6-trimethylbenzoyl) phosphine (CAS Proprietary)	May be used as a single component chemical under an appropriate group standard
Dipropylene Glycol Diacrylate (CAS Proprietary)	HSNO Approved
Glycerol, propoxylated, esters with acrylic acid (CAS Proprietary)	HSNO Approved
Substituted Phosphine Oxide (CAS Proprietary)	May be used as a single component chemical under an appropriate group standard
Vinylcaprolactam (CAS Proprietary)	HSNO Approved

May be used as a single component
chemical under an appropriate group
standard

Regulatory information All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

16. Other information

References Not available.

Issued by
Not available.

Prepared by
Not available.

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Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds