



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY/UNDERTAKING

1.1 Product Identifier	Zest-it® Technical Pen Cleaner	
1.2 Relevant identified uses of the substance or mixture and uses advised against	Solvent for removing permanent indian ink paint and mediums. Nib and brush cleaner. Facilitating fluid. Washing and cleaning product.	
Product Number	ZTPC; 50; 125;	Importer - S&S Wholesale Pty. Limited 18/10 Pioneer Avenue, Thornleigh NSW 2120 Tel: 1300 731 529 Fax: 1300 739 715
1.3 Details of the supplier of the safety data sheet	J and T Blackman Ltd.High Street, Barwell, Leicestershire LE9 8DR Tel: 01162341001 Mob. 07885103576 email: msdssupport@zest-it.biz	
1.4 Emergency telephone number	National Poisons Information Service (UK) 0844 8920111 National Chemical Emergency Centre 08701906777 and +44(0)1270502891	Emergency Contact: S&S Wholesale Pty. Limited Tel: 1300 731 529 Fax: 1300 739 715

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture (Concentrated product only)	R36/38	
Classification under CHIP; Directive 67/548/EEC or 1999/45/EC	R36/38	
Class'n under CLP; Reg's (EC) No 1272/2008 Most important adverse effects.	 H315; Skin Irrit; H319; Eye Irrit.	
2.2 Label elements under CLP Hazard pictograms Signal word	 Warning	
Hazard statements:	H315; Causes skin irritation: H319; Causes serious eye irritation:	
Precautionary statements:	P305+P351; IF IN EYES; rinse cautiously with water for several minutes: P337+P313 If eye irritation persists: Get medical advice.P302+P352; IF ON SKIN; Wash with plenty of soap and water: P301+P330+P331,If swallowed; Rinse mouth; Do not induce vomiting.	
Label under CHIP Hazard symbols	n/a	
Risk phrases	R36/38;Irritating to eyes and skin:	
Safety phrases	S2; Keep out of reach of children: S26; In case of contact with eyes, rinse immediately with plenty of water and seek medical advice: S62;If swallowed do not induce vomiting: seek medical advice immediately and show this container or label.	
2.3 Other hazards	The mixture contain no components considered to be either persistent, bioaccumulative, toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures	
Glycol Ether	5-10%
CAS-No.:005131-66-8 Class (EC 1272/2008) Eye Irrit -H319; Skin Irrit 2 H315 ECNo.:225-878-4 Class (67/548/EEC) Xi;R36/38.	
Orange Terpenes	1-5%
CAS-No.:8028-48-6 Class (EC1272/2008) Flam Liq 3 - H266 Skin Irrit 2 H 315 Aquat Chron H411 Asp Tox 1 - H 304 EC No: 232-433-8 Classi (67/548/EEC) R10: Xi:R3 N:R51/53 Xn:R65	
TETRAHYDROFURFURYL ALCOHOL	1-2.5%
CAS-No.: 97-99-4 Class (EC 1272/2008) Eye Irrit 2 - H319 EC No.: 202-625-6 Class (67/548/EEC) Xi;R36	
This material is listed on the following inventories:	REACH, TSCA, DSL, ENCS, EINECS, AICS, ECL, ISHL, PICCS, KECl, ASIA-PAC and NZIoC

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures	
General Info	NEVER give anything by mouth to an unconscious person. If symptoms persist, always call Doctor
Inhalation	Not relevant in normal use. Supply fresh air.
Ingestion (swallowing)	Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. DO NOT induce vomiting. If vomiting occurs, keep head low so the stomach content doesn't get into the lungs.
Skin contact	Remove any soaked or contaminated clothing and shoes. Wash skin with soap/mild detergent and water.
Eye contact	Promptly flush eyes with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes widely. If irritation persists: continue flushing during transport to hospital.
4.2 Most important symptoms and effects both acute and delayed	No further relevant information available
4.3 Indication of any immediate medical attention and special treatment needed	No further information
SECTION 5: FIRE FIGHTING MEASURES	

Zest-it® Technical Pen Cleaner

General information	Non-flammable. Soluble in water.
5.1 Extinguishing media	Extinguish with foam, carbon dioxide (CO ²), dry powder, soil, sand or water fog.
5.2 Special hazards arising from the substance or mixture	No unusual fire or explosion hazards noted. When heated and in case of fire, irritating vapours/gases may be formed.
5.3 Advice for firefighters	May produce dense black smoke. Stay up wind of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Avoid contact with eyes and prolonged skin contact. In case of spills, beware of slippery floors and surfaces. Turn leaking containers leak-side up.
6.2 Environmental precautions	Do not discharge into sewers or watercourses. Contain using bunding
6.3 Methods and material for containment and cleaning up	Ventilate. Dike if necessary. Absorb with inert, damp, non-combustible material vermiculite, damp sand/soil, then flush area with water.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Wash hands after use. Remove contaminated clothing before entering eating area. Use in well ventilated area.
7.2 Conditions for safe storage, including any incompatibilities	Store in tightly closed original container in a cool and dry place. Keep away from sources of heat and ignition.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters	WEL=Workplace Exposure Limit Glycol Ether DNEL: Dermal; 16/mg/kg/day Inhalation; 33.8mg/m ³
8.2 Exposure controls	
General protective and hygienic measures	Keep away from foodstuffs, beverages and feed. Wash and dry hands before breaks and at the end of work. Do not inhale mists or aerosols.
Respiratory protection	No specific ventilation requirements noted. Use suitable respiratory protective device when aerosol or mist is formed.
Eye Protection	Provide eye wash station. Wear approved tight fitting safety glasses where splashing is probable.
Hand/Skin Protection	Wash and dry hands after use. For prolonged or repeated skin contact use suitable protective gloves. Nitrile rubber.
Body Protection	Wear apron or protective clothing in case of splashes. Wash contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties (of the concentrated solution)	
Boiling Point	95-228 ^o C (203 - 442 ^o F)
Density (SG)	1
Solubility in / Miscibility with water	Soluble in water
pH value	7-8 ±
Flash point	n/a
Colour	Yellow
Appearance	Clear Yellowish Liquid
Odour	Citrus, pleasant, agreeable
Danger of explosion	No - does not present an explosion hazard
Self-igniting	No - not self igniting
Melting point	n/a
9.2 Other information	Information given concerns the concentrated solution.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under normal temperature conditions and recommended use.
10.3 Hazardous reactions	No dangerous reaction known
10.4 Conditions to avoid	Avoid exposing to heat.
10.5 Incompatible materials	Avoid contact with strong oxidizing agents and strong acids.
10.6 Hazardous decomposition products	None expected under normal circumstances.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Hazard of substance	Skin and eye irritant
Ingestion	No harmful effects expected in amounts likely to be ingested by accident. Gastrointestinal symptoms, including upset stomach.
Inhalation	Not relevant at normal room temperatures. When heated, irritating vapours may be formed.
Eye contact	Splashed may irritate.

Zest-it® Technical Pen Cleaner

Skin contact	Skin irritation is not anticipated when used normally. May cause dryness/cracking of skin.
Germ cell mutagenicity	This substance has no evidence of mutagenic properties.
Carcinogenicity	This substance has no evidence of carcinogenic properties.
Reproductive toxicity	This substance has no evidence of toxicity to reproduction or the unborn.
Medical considerations	Pre-existing eye problems. Avoid vomiting and normal rinse of stomach because of risk of aspiration.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	This product has low toxicity. Only large volumes may have adverse impact on human health.
12.2 Persistence and degradability	The product is biodegradable.
Ecological information on ingredients	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
12.3 Bioaccumulative potential	The product does not contain any substance expected to be bioaccumulating
12.4 Mobility in soil	This product is soluble in water.
12.5 Results of PBT and vPvB assessment	

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Wash to drains with plenty of water.
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SECTION 14: TRANSPORT INFORMATION

14.1 UN number ADR:RID:ADN:IMDG:ICAO	This product is not covered by the international regulation on the transport of dangerous goods.
14.2 UN proper shipping name	No information required
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazard	Marine pollutant - No.
14.6 Special precautions for user	No information required

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	UK Regulatory References Health and Safety at Work Act 1974. Guidance Notes Workplace Exposure Limits EH40. CHIP 2009 EU Legislation Regulation (EC) No 1907/2006 REACH. Regulation (EC) No 1272/2008 CLP. Dir;06/08 (ADR;RID;IMDG;IATA)
Water Hazard Class	WGK 0
Tariff code	34022020
15.2 Chemical Safety Assessment	

SECTION 16: OTHER INFORMATION

Revision Date (next 2025)	2.Jan.2020
Compilation Date	12.Nov.15 :07.Oct.2012:
Sheet Reference	Zest-it® Technical Pen Cleaner
Product covered by this sheet	All sizes of Zest-it® Technical Pen Cleaner
RISK PHRASES IN FULL	R10 Flammable.R36/38 Irritating to eyes and skin. H226 Flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation.

- Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
- The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
- It is at all times the responsibility of the user to take all necessary measures to comply with safety precautions, legal requirements and local regulations.
- The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

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