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VERSION NO. : 2

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## Safety Data Sheet

### 1. Identification Of The Material & Supplier

**Product Name :** Screen Wash Hitecink

**Other Names(s) :** Aromatic / Aliphatic Solvent

**Chemical Formula :** 81284

**Use or Description :** Screen Wash

**Suppliers Name :** Hi-Tec Ink

**Street Address :** Unit 4 / 231 Annex Road , Christchurch 8053, New Zealand.

**Telephone :** +64 3 366 0100

**Facsimile :**

**Emergency Telephone :** National Poisons & Hazardous Chemicals  
Information Centre :  
NZ Emergency Services :  
Geoffrey Blakey-Scholes :

0800 POISON (0800 764 766)  
Dial 111 (if in doubt)  
Bus +64 3 666-0100  
Mobile 021 312 676

### 2. Hazards Identification

**Hazardous Classification:**

3.1C - Flammable Liquid and vapour

6.1D (Oral) - Substance that is harmful if swallowed.

6.1E (Aspiration hazard) - Substance that may be harmful if swallowed and enters airways

6.3B - Substance that may cause skin irritation.

6.4A - Substance that may cause serious eye irritation.

6.8B - Substance that is suspected of damaging fertility or the unborn child.

6.9B - Substance that may cause damage to organs through prolonged or repeated exposure

9.1B - Substance that is toxic to aquatic life with long lasting effects.

**Hazard statement codes:**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H305 May be harmful if swallowed and enters airways.

H316 Causes mild skin irritation.

H319 Causes serious eye damage.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Harmful to aquatic life with long lasting effects.

**Precautionary statement codes - Prevention:**

P102 Keep out of reach of children.

P103 Read label before use.

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.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe vapours  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke using this product.  
P273 Avoid release to the environment.  
P281 Use personal protective equipment as required.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P391 Collect spillage.

**Precautionary statement codes - Response:**

P101 If medical advice is needed, have product container or label on hand.  
P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.  
P330 Rinse mouth  
P331 Do not induce vomiting.  
P308 + P313 If exposed or concerned: Get medical advice/attention.  
P312 Call a POISON CENTRE or doctor / physical if you feel unwell.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.  
Rinse skin with water/shower.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P304 + P312 If Inhaled: Call a Poison Centre or doctor / physician if you feel unwell.  
P391 Collect Spillage

**Precautionary statement codes - Storage:**

P370 + P378 In case of fire: Stop leak if safe to do so.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

**Precautionary statement codes - Disposal:**

P501 Disposal of this substance must be in accordance with the Hazardous Substances (Disposal) Regulations 2001 with reference to all local Council regulations. This may also include any method of disposal that must be avoided.

### 3. Composition / Information On Ingredients

Potentially Hazardous Ingredients	% by weight (approx)	TLV (TWA)		STEL (TWA)		Note CAS No.
		mg/m3	ppm	mg/m3	ppm	
Light Aromatic Petroleum	51-57					64742-95-6
Medium Aliphatic Petroleum	3-6					64742-88-7
Methoxy 2 propanol acetate	30-35	274		822		108-65-6
1,2,4 Trimethylbenzene	18-21					95-63-6
Mesitylene	5-7					108-67-8
Propylbenzene and	3-5		25	375	75	98-82-8
Isopropylbenzene (cumene)						
Xylene, mixed isomers	>2		50			1330-20-7

### 4. First Aid Measures

**Inhalation**

Remove from further exposure to fresh air immediately. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention and call a physician.

**Skin Contact**

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If contact is more than of minor nature, seek medical attention.

**Eye Contact**

Flush thoroughly with water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical assistance if irritation persists.

**Ingestion**

Do not induce vomiting. Get medical assistance. (Note to physician: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately.)

**Health Hazard :  
Information****Advise to Doctor.**

Treat according to symptoms. Risk of aspiration into lungs with potential to cause chemical pneumonitis.

## 5. Fire Fighting Measures

**Extinguishing Media to be used**

☒ Foam ☒ Dry Chemical ☒ Water Spray  
☒ Carbon Dioxide ☐ Alcohol Foam ☐ Other...

**Special Fire Fighting Procedures**

Alert the fire brigade and keep bystanders away.  
Extinguish or remove all sources of ignition. Use water to keep fire exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop leak. Water spray may be used to flush spills away from exposures. For fires in enclosed areas, Fire fighters must use self contained breathing apparatus. Prevent run off from fire control or dilution from entering streams, sewers, or drinking water supply.

**Unusual Fire and Explosion Hazards**

Vapour density heavier than air.  
Water or foam may cause frothing which can be violent and possibly endanger the fire fighter especially if sprayed onto containers of hot, burning liquid.

## 6. Accidental Release Measures

**Spill and Leak Procedure**

Environmental Impact: Report spills as required to appropriate authorities.

Procedures If Material Is Released Or Spilled: Absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal. Do not contaminate streams, rivers or water courses. Do not flush into drains, sewers, streams etc. Shut off sources of leak if safe to do so. Keep away from heat, naked flame or sparks.

Waste Management: Dispose of waste by supervised incineration in compliance with applicable laws and regulations.

## 7. Handling & Storage

**Handling**

Ensure a high level of personal hygiene is maintained when using this product. That is always wash hands before eating, drinking, smoking and using the toilet. Avoid prolonged repeated skin contact. Avoid contact with eyes. Avoid contact with skin. Avoid inhalation of vapours or mists.  
Use in well ventilated area away from all ignition sources. Wear chemical-type goggles. Approved respiratory protective equipment must be used when vapour or mist concentrations exceed established Threshold Limit Values (TLV) of components.

**Storage**

Store in a cool, well ventilated fireproof area. Ground and bond all transfer and storage equipment. Use non sparking tools and equipment. Drums must be grounded and bonded and equipment with self-closing valves, pressure vacuum bungs and flame arresters. Outside or detached storage preferred. Store containers in a cool area away from all ignition sources and strong oxidizing agents.  
Keep away from food, foodstuffs, drinks or clothing.

## 8. Exposure Control / Personal Protection

Recommended Personal Protective Equipment to be worn during use of product: (X)

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Protective Overalls | <input type="checkbox"/> Synthetic Apron                     |
| <input type="checkbox"/> Safety Glasses                 | <input type="checkbox"/> Vapour Respirator                   |
| <input checked="" type="checkbox"/> Splash Goggles      | <input checked="" type="checkbox"/> Dust & Vapour Respirator |
| <input type="checkbox"/> Face Shield                    | <input type="checkbox"/> Full Protective Suit                |
| <input type="checkbox"/> Airline Hood or Mask           | <input checked="" type="checkbox"/> Boots                    |
| <input checked="" type="checkbox"/> Gloves              | <input type="checkbox"/> Other...                            |

## 9. Physical And Chemical Properties

### Appearance and Odour

Colourless liquid; Aromatic

### Density

0.872

### Viscosity

N/A

### Vapour Pressure, mm Hg at 20°

0.278

### Vapour Density (Air=1)

> 1

### Melting Point/Freezing Point, °

NA

### Aniline Point, ° (Mixed)

NE

### Refractive Index, @ 20°

NE

### Residue On Evaporation, mg/100ml

NE

### Boiling Range, °C

154

### Flash Point° Method

41 (ASTM D-56)

### Evaporation Rate (BuAc=100)

NE

### % Volatile Matter (by weight)

100

### Solubility in Water

Not Miscible

### Aromatics, %

95

### Colour

Colourless

### pH

### Flammability Limit, %vol

### Lower (LEL)

0.8

### Upper (UEL)

6.0

### Auto Ignition Temperature, °

NE

NA = Not Applicable, NE = Not Established,  
NR = Not Regulated Against D = Decomposes

## 10. Stability And Reactivity

### Reactivity Data

Stability (thermal, light, etc.): Stable  
Conditions to Avoid: Heat, sparks, flame and build up of static electricity.  
Incompatibility (materials to avoid): Strong oxides, halogens and molten sulphur

#### Hazardous Decomposition Byproducts

Carbon Monoxide, Carbon Dioxide, fumes and smoke

#### Hazardous Polymerization

☒ Will Not Occur ☐ May Occur ☐ Other...

## 11. Toxicological Information

### Acute Effects of Overexposure

<b>Ingestion</b>	Harmful may cause lung damage if ingested After swallowing, some drops of liquid can enter the lungs (aspiration), which may may cause pneumonia. May also cause irritation to the gastrointestinal system. Symptoms may include nausea, vomiting, diarrhoea and abdominal pain.
<b>Skin Contact</b>	May cause irritation in contact with the skin. Prolonged or repeated exposure may defat skin leading to drying and cracking.
<b>Inhalation</b>	High vapour concentrations can cause irritation to the respiratory system. Symptoms can include headache and dizziness, and may have other central nervous system effects.
<b>Eye Contact</b>	May cause irritation to the eyes which can result in redness, stinging and tearing.
<b>Delayed Effects</b>	Prolonged or repeated exposure may result in dizziness, weakness, irritability. lack of concentration and memory loss, tremor of extremities.
<b>Mutagenic Effects</b>	NR
<b>Reproductive Effects</b>	This product contains < 2% Xylene mixed isomers. Xylene is a substance suspected of damaging fertility or the unborn child.
<b>Chronic Effects</b>	Prolonged skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Repeated / prolonged inhalation may aggravate existing respiratory disorders and cause liver disorders and cause liver and kidney damage.

## 12. Ecological Information

### Environmental Protection:

#### Aquatic Toxicity;

This product has been classified as being toxic to aquatic life.  
Do not discharge product to sewer, drains or waterways.

#### Persistence/degradability;

Not expected to be persistent or bioaccumulative. However contains components that may not be readily biodegradable. degrades rapidly in air.

#### Mobility;

Product is not miscible with water.

## 13. Disposal Considerations

**Waste Disposal:**

Empty packaging can contain flammable product.

Dispose of in accordance with Local Council By-laws.

## 14. Transport Information

IMCO No.	3.3	This material is classified as a class 3-Flammable Liquid according to NZS 5433:1999 Transport of Dangerous Goods on Land.
UN No.	1993	Class 3 - Flammable Liquids are incompatible in a placard load with the following: Class 1 Explosives, Class 2.1 Flammable gases, Class 2.3 Toxic gases, Class 4.2 Spontaneously Combustible Substances, Class 5.1 Oxidising Agents, Class 5.2 Organic peroxides, Class 7 Radioactive Substances.
HAZCHEM	3 Y E	
D/Goods Class	3.1C	
UN Packing Group	III	

## 15. Regulatory Information

ERMA New Zealand approval Code

HSR002650 Solvent (Flammable) Group Standard 2006.

## 16. Other Information

### Other Data.

IF PRINTED THIS MSDS SHEET IS UNCONTROLLED.

**Hi - Tec Ink** urges each customer or recipient of this MSDS to study it carefully to become aware of and the hazards associated with the product.

The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS. To promote safe handling, each customer or recipient should:

- (1) notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards of safety;
- (2) furnish this same information to each of its customers for the product; and
- (3) request its customers to notify their employees, customers, and other users of the product of this information.

**NOTE:** The information and recommendations contained in this data sheet have been compiled from sources believed to be reliable and represent the best current opinion on the subject. No warranty, guarantee or representation is made by the company as to the absolute correctness or sufficiency of any representation contained in this data sheet and the company assumes no responsibility in connection therewith. Nor can it be assumed that all acceptable safety measures are contained in this data sheet or that other additional measures may not be required under particular or exceptional circumstances or conditions.