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## SAFETY DATA SHEET

#### SECTION 1 – IDENTIFICATION OF MATERIAL AND SUPPLIER

SUPPLIER: Pilot Pen Australia Pty Ltd.

**ABN:** 37 144 701 502.

OFFICE ADDRESS: 39 Enterprise Circuit, Prestons, NSW 2170, Australia. POSTAL ADDRESS: Locked Bag 7010, Liverpool, NSW 1871, Australia.

**TELEPHONE:** 1300 325 866.

**AH EMERGENCY TELEPHONE:** 13 1126 (24 Hours) – Australian National Poisons Centre.

**WEB PAGE:** www.pilotpen.com.au.

Product Name: FRIXION Stamp.

Product Range: SPF-12-01R/02R/03P/04AO/05P/06G/07AO/08L/09R/10R/11AO/12AO/

13LB/14R/15P/16R/17LB/18G/19P/20L/21LB/22L/23LB/24AO/25G/26LB/27 P/28R/29LB/30L/31G/32P/33LB/34G/35L/36R/37G/38G/39P/40AO/41P/42 LB/43G/44P/45AO/46G/47AO/48P/49R/50L/51P/52AO/53LB/54AO/55AO/

56AO/57P/58R/59R/60R.

**Proper Shipping Name:** Not applicable.

**Product Use:** Ink for writing instrument.

Manufacturer's Product Codes: Colours:

AO = Apricot Orange.

G = Green.L = Blue.

• LB = Light Blue.

P = Pink.R = Red.

**Creation Date:** 23 March 2021.

**Revision Date:** Before 22 March 2026.

#### SECTION 2 – HAZARDS IDENTIFICATION

This product is classified as a **NON-HAZARDOUS CHEMICAL** in accordance with the WHS and as **NON-HAZARDOUS** in accordance with the GHS, and as **NON-DANGEROUS GOODS** according to the ADG Code.

#### **CLASSIFICATION:**

Hazard Classes & Categories: Hazard Classes Hazard Category

Physical:Not applicable.Health:Not applicable.Environmental:Not applicable.

**LABEL ELEMENTS:** 

Signal Word:Not applicable.Hazard Statements:Not applicable.

**Precautionary Statements:** 

Prevention:Not applicable.Response:Not applicable.Storage:Not applicable.DisposalNot applicable.

**General:** If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Pictogram:No symbolPictogram Description:Not applicable.



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### SECTION 2 – HAZARDS IDENTIFICATION (CONTINUED)

Other Hazards which do not result

Not applicable.

in Classification:

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS		
Ingredients:	CAS Number:	Proportion:
Triethanolamine	102-71-6	< 1 % w/w
Non-hazardous ingredients	Not available	To 100 % w/w
Total		100 % w/w

#### SECTION 4 – FIRST AID MEASURES

**Scheduled Poisons:** Poisons Information Centre in each Australian State capital city can provide

additional assistance for scheduled poisons. (Phone Australia 13 1126) or a

doctor (at once).

First Aid Facilities Required: Eye wash fountains and a general washing facility should be easily

accessible in the immediate work area.

**Inhalation:** Remove victim from exposure and to ventilated air - avoid becoming a

casualty. Seek medical advice if necessary.

**Skin Contact:** If skin contact occurs, wash skin with soap and water. Seek medical attention

if irritation develops or persists.

**Eye Contact:** Remove victim immediately from source of exposure. Make sure to

remove any contact lenses from the eyes before rinsing. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek medical attention if irritation

develops or persists.

**Ingestion (Swallowed):** Do not give anything by mouth to an unconscious person. Seek medical

attention is symptoms develop.

**Protection of First-aiders:** No special precautions are envisaged to be required.

**Advice to Doctor:** Treat symptomatically. Poisons Information Centre in each Australian State

capital city can provide additional assistance for scheduled poisons.

#### SECTION 5 – FIRE FIGHTING MEASURES

Hazards from Combustion Products: If this product is subject to combustion it will undergo hazardous

decomposition that will yield the formation and release of hazardous substances including but not limited to In general fire, upon combustion, this product may emit Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Sulfur oxides (SO<sub>x</sub>), and other possibly toxic gases

and vapours.

**Suitable Extinguishing Media:** Extinguish with water spray or normal foam. Use Carbon dioxide (CO<sub>2</sub>) or

dry agent for small fires.

Unsuitable Extinguishing Media:

Not applicable.

**Precautions for Fire Fighting:** 

Wear a self-contained breathing apparatus (SCBA) with a full-face piece

operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Minimise exposure. Do not breathe fumes. Contain run-off, prevent by any means

available spillage from entering drains and water course.

**Hazchem Code:** Not applicable.



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## SECTION 5 - FIRE FIGHTING MEASURES (CONTINUED)

AERGB: Not applicable.
Flash Point: Boils without flashing.

Flammability: Not classified as combustible liquid. In general fire, upon combustion, this

product may emit hazardous substances including but not limited to Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Sulfur

oxides (SO<sub>X</sub>), and other possibly toxic gases and vapours.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

#### Spills:

Personal Precautions, Protective Equipment and Emergency Procedures: In case of spill, isolate hazard area and deny entry. Product may represent a slip hazard. Wear protective clothing as described in Section 8 of this safety data sheet. Eye contact should be prevented by means of suitable personal protection equipment. See Section 8, Exposure Controls and Personal Protection for further information regarding personal protection.

See Section 4, First Aid Measures, for further information.

Eye and face protection: The use of face shields, chemical goggles, or safety glasses with side shield protection (meeting the requirements of AS/NZS 1337) is recommended. If exposed to dust or fume, wear dust-tight

goggles (meeting the requirements of AS/NZS 1337).

**Skin protection:** 

<u>Hand protection</u>: Chemical resistant gloves should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Gloves should be removed and replaced immediately if there is any indication of degradation. Rinse and remove gloves immediately after use. Wash hands with soap and water. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

<u>Clothing:</u> Suitable protective clothing complying with AS/NZS 4501 and suitable chemical resistant footwear complying with AS/NZS 2210 are recommended.

Respiratory protective equipment: No special precautions are envisaged to be required. However, if the product is spilled in case of inadequate ventilation or if exposure standards are exceeded then use a full face air purifying respirator (with Class A filter for organic vapours boiling above 65°C) meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Do not allow to enter drainage system, surface or ground water. In the event of product entering waters or drainage system, or polluting soil or plants contact the Environmental Protection Authority or your local Waste

Management Authority.

Methods & Materials for Containment & Cleaning up:

**Environmental Precautions:** 

**Small Spills:** 

Absorb spill with material (cloth or paper), then place in chemical waste containers. The wasted material can be disposed of by incineration (preferably high temperature) by an approved agent according to State,

Territory and/or Local government regulations.



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### SECTION 6 – ACCIDENTAL RELEASE MEASURES (CONTINUED)

Large Spills: Absorb spill with material (cloth or paper), then place in chemical waste

containers. The wasted material can be disposed of by incineration (preferably high temperature) by an approved agent according to State,

Territory and/or Local government regulations.

#### SECTION 7 – HANDLING AND STORAGE

**Precautions for Safe Handling:** For personal protection see section 8. Recommend washing hands after

use. Avoid spills. No special precautions are envisaged to be required.

Information about Fire and Explosion Protection:

Refer to State Regulations for storage and transport requirements.

Conditions for Safe Storage, including any Incompatibilities:

Store in a cool (at temperatures below 25°C), dry, well-ventilated place and

out of direct sunlight. Keep containers closed when not in use - check

regularly for leaks.

Not applicable.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Further Information about Storage** 

**Conditions:** 

**Exposure Control Measures:** Ensure the use of individual protection measures Including Personal

Protective Equipment (PPE).

**Exposure Standards:** National Occupational Exposure Limits, as published by Safework Australia:

Time-weighted Average (TWA): None established for product.

TWA for Triethanolamine is 5 mg/m<sup>3</sup>.

Short Term Exposure Limit (STEL): None established for product. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to 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.

**Biological Monitoring:** Safe Work Australia have not published any Biological Limits for

ingredients of this product.

**Engineering Controls:** 

**Individual Protection Measures** 

**Including Personal Protective** 

**Equipment (PPE):** 

Not required in normal use.

General protective & hygiene measures: Not required in normal use.

Eye and face protection: The use of face shields, chemical goggles, or safety glasses with side shield protection (meeting the requirements of AS/NZS 1337) is recommended. If exposed to dust or fume, wear dust-tight

goggles (meeting the requirements of AS/NZS 1337).



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## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION (CONTINUED)

#### Skin protection:

Hand protection: Chemical resistant gloves should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Gloves should be removed and replaced immediately if there is any indication of degradation. Rinse and remove gloves immediately after use. Wash hands with soap and water. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

<u>Clothing:</u> Suitable protective clothing complying with AS/NZS 4501 and suitable chemical resistant footwear complying with AS/NZS 2210 are recommended.

Respiratory protective equipment: No special precautions are envisaged to be required. No adverse respiratory exposure anticipated under normal use. However, if the product is spilled in case of inadequate ventilation or if exposure standards are exceeded then use a full face air purifying respirator (with Class A filter for organic vapours boiling above 65°C) meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Physical Description/ Properties:** 

**Appearance:** Coloured medium viscosity liquid (Apricot Orange, Blue, Green, Light Blue,

Pink, Red).

**Odour:** Slight characteristic odour.

Odour Threshold: Not applicable.

pH: 7.0 – 8.5.

Melting Point/ Freezing Point: Not available.

Initial Boiling Point/ Boiling Range: Ca. 100°C.

**Flashpoint:** Boils without flashing.

Evaporation Rate: Not applicable.
Flammability (solid, gas): Not available.
Upper/Lower Flammability or Not available.

**Explosive Limits:** 

Vapour Pressure:Not available.Vapour Density:Not available.Relative Density:1.15 – 1.20 @ 20°C.Solubility:Soluble in water.Partition coefficient: n-Not applicable.

octanol/water:

**Auto-ignition Temperature:** Not applicable. **Decomposition Temperature:** Not applicable.

**Viscosity:** 3,000 – 10,000 mPa·s @ 20°C.



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## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** No reactivity hazards are known for the material. **Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** No known hazardous reactions.

**Conditions to Avoid:**Not applicable.
Incompatible Materials:
Not applicable.

Hazardous Decomposition Products: None anticipated under normal or recommended handling, storage, and

use conditions. If this product is subject to combustion it will undergo hazardous decomposition that will yield the formation and release of hazardous substances including but not limited to Carbon monoxide (CO), Carbon dioxide ( $CO_2$ ), Nitrogen oxides ( $NO_X$ ), Sulfur oxides ( $NO_X$ ), and other

possibly toxic gases and vapours.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Health Effects:** No data for product, following data is compiled on basis of ingredients.

**Acute Toxicity Data (Oral):** No data for product, following data is compiled on basis of ingredients.

Acute Toxicity for Triethanolamine, (Oral) LD<sub>50</sub> (rat) 4.92 mL/kg, (Oral) LD<sub>50</sub>

(rabbit) 2,200 mg/kg.

No data for product. **Acute Toxicity Data (Dermal): Acute Toxicity Data (Inhalation):** No data for product. **Chronic Toxicity Data:** No data for product. **Skin Corrosion Irritation:** No data for product. **Serious Eye Damage/Irritation:** No data for product. **Respiratory or Skin Sensitisation:** No data for product. **Germ Cell Mutagenicity:** No data for product. Carcinogenicity: No data for product. **Reproductive Toxicity:** No data for product.

Specific Target Organ Toxicity (STOT) – Single Exposure:

Specific Target Organ Toxicity No data for product.

(STOT) - Repeated Exposure:

**Aspiration Hazard:** No data for product.

Aspiration nazaru.

**Information on Possible Routes of** Inhalation is the primary route of exposure although absorption may occur

**Exposure:** through skin contact or following accidental ingestion.

No data for product.

**Ingestion (Swallowing):**Not to be ingested. Ingestion of product may be harmful and cause upset

stomach.

**Eye Contact:** Ink contact with eye may be mildly irritating.

**Skin Contact:** Ink contact with skin may cause irritation, swelling, or redness. It is not

expected to cause an allergic skin reaction.

**Inhalation:** Intentional exposure to ink vapours may cause respiratory irritation.

Other Health Effects: Not applicable.



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## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** This product is not classified as Hazardous to the aquatic environment

(according to GHS).

Fish Toxicity:
Invertebrates Toxicity:
Algae Toxicity:
Toxicity to Microorganisms:
No data for product.

**Bio-accumulative potential:** There is no evidence to suggest bioaccumulation will occur.

**Mobility in Soil:** No data for product. Accidental spillage may lead to penetration in the soil

and groundwater. However, there is no evidence that this would cause

significant adverse ecological effects. Product is soluble in water.

Other Adverse Effects: No data for product.

General: DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR

ENVIRONMENT. Product is soluble in water. Do not allow undiluted product or large quantities of it to reach ground water, water course or

sewage system. Inform local authorities if this occurs.

#### SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal methods:** 

**Product:** This product, as supplied, is not classified as a Workplace Hazardous

Chemical, based upon knowledge of its ingredients. When all ink has been consumed in writing instrument the writing instrument may be disposed of as normal household waste. However, in bulk form, waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority, according to State, Territory and/or Local government regulations, pertinent authorities and adhering to the necessary technical regulations. Do not allow runoff to sewer, waterway or

ground. Incinerate with adequate scrubbing and ash disposal

Individual Protection Measures: Refer to Individual Protection Measures Including Personal Protective

Equipment (PPE) in Section 8: EXPOSURE CONTROLS AND PERSONAL

PROTECTION.

**Uncleaned Packaging:** Recommended to be disposed of in accordance with relevant

Commonwealth, state, territory and local government legislation.

Behaviour in Sewage Processing

No data for product.

Plants:

#### SECTION 14 – TRANSPORT INFORMATION

**Road & Rail Transport:** This material is **not classified** as DANGEROUS GOODS, according to the

Australian Code for the Transport of Dangerous Goods by Road and Rail

(ADG Code).

UN Number: Not applicable. UN Proper Shipping Name or Not applicable.

**Technical Name:** 

ADG Class:

Packing Group:

HAZCHEM Code:

AERGB:

Not applicable.

Not applicable.

Not applicable.



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SECTION 14 – TRANSPORT INFORMATION (CONTINUED)

This material is not classified as DANGEROUS GOODS and is not classified **Marine Transport:** 

as a MARINE POLLUTANT by the criteria of the International Maritime

Dangerous Goods Code (IMDG Code) for transport by sea.

**UN Number: UN Proper Shipping Name or** 

**Technical Name:** 

Not applicable. Not applicable.

**IMDG Class:** Not applicable. **Packing Group:** Not applicable.

This material is not classified as DANGEROUS GOODS, by the criteria of the Air Transport:

International Air Transport Association (IATA) Dangerous Goods

Regulations for transport by air.

**UN Number: UN Proper Shipping Name or** 

**Technical Name:** 

**Class Label:** 

Not applicable. Not applicable.

Not applicable.

**IATA Class:** Not applicable. **Packing Group:** Not applicable.

SECTION 15 – REGULATORY INFORMATION

Australian Standards: AS/NZS 1337.1:2010: Personal eye protection - Eye and face protectors for

occupational applications.

AS/NZS 1715:2009: Selection, use and maintenance of respiratory

protective equipment.

AS/NZS 1716:2012: Respiratory protective devices.

AS 1940:2017: The storage and handling of flammable and combustible

liquids.

AS/NZS 2161.1:2000: Occupational protective gloves: Selection, use and

maintenance.

AS/NZS 2161.2:2005: Occupational protective gloves: General

requirements.

AS/NZS 2161.10.1:2005: Occupational protective gloves: Protective gloves

against chemicals and micro-organisms —Terminology and performance requirements.

AS/NZS 2161.10.2:2005: Occupational protective gloves: Protective gloves against chemicals and micro-organisms—Determination of resistance to

penetration.

AS/NZS 2161.10.3:2005: Occupational protective gloves: Protective gloves

against chemicals and micro-organisms—Determination of resistance to

permeation by chemicals.

AS/NZS 2210.1:2010: Safety, protective and occupational footwear - Guide

to selection, care and use.

AS/NZS 2210.2:2009: Occupational protective footwear - Test methods

(ISO 20344:2004, MOD).

AS/NZS 2210.4:2009: Occupational protective footwear - Specification for

protective footwear (ISO 20346:2004, MOD).



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## SECTION 15 – REGULATORY INFORMATION (CONTINUED)

AS/NZS 4501.1:2008: Occupational protective clothing - Guidelines on the

selection, use, care and maintenance of protective clothing. AS/NZS 4501.2:2006: Occupational protective clothing - General

requirements.

AICIS: All ingredients present on the Australian Inventory of Industrial Chemicals.

**SUSMP:** No Poisons Schedule allocated.

#### SECTION 16 – OTHER INFORMATION

**Acronyms and Comments:** 

**ACGIH:** American Conference of Industrial Hygienists.

ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.

**AERGB:** Australian Emergency Response Guide Book (2018).

AICIS: Australian Industrial Chemicals Introduction Scheme which replaced

National Industrial Chemicals Notification and Assessment Scheme

(NICNAS.

AS: Standards issued by Standards Australia, GPO Box 476, Sydney NSW 2001,

Australia.

AS/NZ: Standards issued by Standards Australia, GPO Box 476, Sydney NSW 2001,

Australia and Standards New Zealand, Private Bag 2439 Wellington 6140,

New Zealand.

ATE: Acute Toxicity Estimate according to the Globally Harmonized System of

Classification and Labelling of Chemicals (GHS).

**BEI:** Biological Exposure Indices published by the Conference of Governmental

Industrial Hygienists (ACGIH), 1330 Kemper Meadow Drive, Cincinnati, OH

45240-4148, USA.

**CAS Number:** Chemical Abstracts Service Registry Number.

**GHS:** Globally Harmonized System of Classification and Labelling of Chemicals, a

globally harmonized system for classification and labelling of chemicals

proposed by the United Nations.

**HAZCHEM:** An emergency action code of numbers and letters which gives information

to emergency services.

**IARC:** International Agency for Research on Cancer.

**IMDG:** International Maritime Dangerous Goods Code for transport by sea. **LC/LD:** The median lethal dose, LD<sub>50</sub> (abbreviation for "lethal dose, 50%"), LC<sub>50</sub>

(lethal concentration, 50%) is the dose required to kill half the members of

a tested population after a specified test duration. LD<sub>50</sub> figures are

frequently used as a general indicator of a substance's acute toxicity.

**NOEC:** No-Observed-Effect-Concentration. The highest concentration of toxicant

to which organisms are exposed in a full life-cycle or partial life-cycle (short-term) test, that causes no observable adverse effects on the test organisms (i.e., the highest concentration of toxicant in which the values

for the observed responses are not statistically significantly different from

the controls).



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## SECTION 16 – OTHER INFORMATION (CONTINUED)

**NOEL:** No-Observable-Effect-Level. It is the greatest concentration or amount of a

substance, found by experiment or observation, that causes no alterations of morphology, functional capacity, growth, development, or life span of target organisms distinguishable from those observed in normal (control)

organisms of the same species and strain under the same defined

conditions of exposure.

NTP: National Toxicology Program (USA Department of Health and Human

Services).

**OSHA:** Occupational Safety and Health Administration (USA).

**PPE:** Personal Protective Equipment.

Safe Work Australia: Safe Work Australia was formerly the Australian Safety and Compensation

Council, which included the National Occupational Health and Safety

Commission (NOHSC).

SDS: Safety Data Sheet.

STEL: Exposure standard - short term exposure limit, a 15-minute TWA exposure

which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL. According to current knowledge this concentration should neither impair the health of, nor

cause undue discomfort to, nearly all workers.

**SUSMP:** Standard for the Uniform Scheduling of Medicines and Poisons.

TDL<sub>0</sub>: Total Dose Low means the smallest deadly dose, which caused a toxic or

other harmful effect after application on humans or animal.

TWA: Exposure standard - time-weighted average, the average airborne

concentration of a particular substance when calculated over a normal

eight hour working day, for a five-day working week.

**UK HSE:** United Kingdom Health and Safety Executive.

**UN Number:** United Nations Number.

**WHS:** Model work health and safety legislation introduced by the Australian

government which consists of an integrated package of a model Work Health and Safety (WHS) Act, supported by model Work Health and Safety (WHS) Regulations, model Codes of Practice and a National Compliance and Enforcement Policy. The WHS Regulations implement a new system of chemical hazard classification, labelling and safety data sheet requirements

based on the GHS.

Issue Date:23 March 2021.Supersedes Issue Date:Not applicable.Revision Information:New issue.

**Contact Point:** Customer Service. **Telephone:** 1300 325 866.

**Note:** Safety Data Sheets are updated frequently. Please ensure that you have a

current copy.



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## SECTION 16 – OTHER INFORMATION (CONTINUED)

Disclaimer:

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since Pilot Pen Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. This SDS does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. If clarification or further information is needed to ensure that an appropriate

assessment can be made, the user should contact this company.