


### Section 1. Identification

|   |   |
|---|---|
| GHS product identifier  | Polyurethane Varnish  |
| Other means of identification   | ISBC-043 (Glossy Finish), ISBC-044 (Satin Finish)   |
| Product type  | Liquid  |
| Relevant identified uses of the substance or mixture and uses advised against |   |
| Product Use   | A premium quality urethane clear coating that enhances and protects the natural look of wood with a durable, exceptionally mar resistant. |
| Supplier's details  | Prostar Export Paint PTY (Ltd)<br>268 Inanda Road, Springfield Park<br>Durban<br>Tel: +27 31 574 5376                                     |
| Emergency Telephone number  | National Poison Centre: 0861 555 777  |

### Section 2. Hazard identification

|  |  |
|--|--|
| Classification of the Substance or Mixture | FLAMMABLE LIQUID - Category 3<br>SERIOUS EYE DAMAGE/ IRRITATION - Category 1<br>SKIN CORROSION/ IRRITATION - Category 2<br>SKIN SENSITIZATION - Category 1<br>SPECIFIC TARGET ORGAN TOXICITY SINGLE EXPOSURE - Category 3<br>ASPIRATION HAZARD - Category 1<br>RESPIRATORY SENSITIZATION - Category 1<br>ACUTE TOXICITY (ORAL) - Category 4<br>ACUTE TOXICITY (INHALATION) - Category 4<br>ACUTE TOXICITY (DERMAL) - Category 4<br>AQUATIC TOXICITY (CHRONIC) - Category 2   |
| Label elements according to                | UN GHS   |
| Hazard pictograms                          |    |
| Signal word                                | Danger<br>H226 - Flammable liquid and vapour.<br>H302 - Harmful if swallowed.<br>H304 - May be fatal if swallowed and enters airways.<br>H312 - Harmful if in contact with skin.<br>H315 - Causes skin irritation.<br>H317 - May cause an allergic skin reaction.<br>H318 - Causes serious eye damage.<br>H332 - Harmful if inhaled.<br>H334 - May cause allergy or asthma symptoms or breathing difficulties if Inhaled<br>H335 - May cause respiratory irritation.<br>H336 - May cause drowsiness or dizziness.<br>H411 - Toxic to aquatic life with long-lasting effects. |
| Hazard statements                          |  |
| Precautionary statements:                  |  |
| General                                    | P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P103 - Read carefully and follow all instructions.  |
| Prevention                                 | P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P233 - Keep container tightly closed.<br>P261 - Avoid breathing dust/fumes/gas/mist/vapours/spray.<br>P262 - Do not get in eyes, on skin, or on clothing.<br>P270 - Do not eat, drink or smoke when using this product.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P273 - Avoid release to the environment.<br>P280 - Wear protective gloves, protective clothing, eye protection or face protection.                |

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| <b>Response</b>  | P285 - in case of inadequate ventilation wear respiratory protection.<br>P235 + 410 - Keep cool. Protect from sunlight.  |
|  | P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.<br>P303+361+353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.<br>P304+340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.<br>P333+317 - If skin irritation or rash occurs get medical help.<br>P337+317 - If eye irritation persists get medical help.<br>P361+364 - Take off immediately all contaminated clothing and wash it before reuse.<br>P370+378 - In case of fire: Use fire extinguisher.<br>P391 - Collect spillage. Hazardous to the aquatic environment. |
| <b>Storage</b>   | P410 - Protect from sunlight.<br>P402+404 - Store in a dry place. Store in a closed container.<br>P403+235 - Store in a well-ventilated place. Keep cool.  |
| <b>Disposal</b>  | P501 - Dispose of contents and container in accordance with all local regulation.  |
| <b>Other Hazards which do not result in Classification</b> | None Identified  |

### Section 3. Composition/information on ingredients

|                                      |   |
|--------------------------------------|---|
| <b>Substance / mixture</b>           | Mixture   |
| <b>Other means of identification</b> | ISBC-043 (Glossy Finish), ISBC-044 (Satin Finish) |
| <b>CAS number/other identifiers</b>  |   |
| <b>CAS Number</b>                    | Not Applicable                                    |

| Ingredient name                            | CAS number | %       | SANS 10234 Classification   |
|--|------------|---------|---|
| Solvent naphtha (petroleum), medium aliph. | 64742-82-1 | 10 – 15 | Flam. Liq. 3, H226<br>Acute Tox. 4, H332<br>Acute Tox. 5, H303<br>Skin Irrit. 2, H315<br>Eye Irrit. 2B, H320<br>Aquatic Chronic. 2, H411<br>Asp.Haz.1, H304<br>STOT - SE. 3, H335 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8

### Section 4. First aid measures

#### Description of necessary first aid measures

|                    |   |
|--------------------|---|
| <b>Eye contact</b> | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation persists. |
| <b>Inhalation</b>  | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.   |

### Section 4. First aid measures

**Skin contact** Remove contaminated clothing and shoes. Wash contaminated skin with soap or a recognised skin cleaner and plenty of water. Avoid the use of solvents. Get medical attention if symptoms persist. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion** Remove victim to fresh air and keep at rest in a position Comfortable for breathing. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** Causes eye irritation.

**Inhalation** Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness.

**Skin contact** Causes skin irritation. May cause an allergic skin reaction.

**Ingestion** Harmful if swallowed. May be fatal if swallowed and enters airways.

#### Over-exposure signs/symptoms

**Eye contact** Adverse symptoms may include pain or irritation, watering or redness.

**Inhalation** Adverse symptoms may include nausea or vomiting, headache, drowsiness/fatigue or dizziness/vertigo, unconsciousness, reduced fetal weight, increase in fetal deaths skeletal malformations.

**Skin contact** Adverse symptoms may include irritation or redness, reduced fetal weight, increase in fetal deaths, skeletal malformations.

**Ingestion** Adverse symptoms may include pain or irritation, reduced fetal Weight, increase in fetal deaths, skeletal malformations.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** No specific treatment.

**Protection of first-aiders** No action shall be taken involving any personal risk or without Suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

### Section 5. Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing media** Use an extinguishing agent suitable for the surrounding fire such as dry powder, CO<sub>2</sub>, water spray (fog) or foam. Use fog to cool and control.

**Unsuitable extinguishing media** Do not use water jet.

**Specific hazards arising from the chemicals** Flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. Fire water contaminated with this

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material must be contained and prevented from being discharged to any waterway, sewer or drain.

### Section 5. Fire-fighting measures

|   |  |
|---|--|
| <b>Hazardous thermal decomposition products</b>       | Decomposition products may include the following materials:<br>Carbon dioxide<br>Carbon monoxide<br>Metal oxide/oxides   |
| <b>Special protective actions for fire-fighters</b>   | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| <b>Special protective equipment for fire-fighters</b> | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.  |

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

|                                    |   |
|------------------------------------|---|
| <b>For non-emergency personnel</b> | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. |
| <b>For emergency responders</b>    | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| <b>Environmental precautions</b>   | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).   |

#### Methods and materials for containment and cleaning up

|                    |   |
|--------------------|---|
| <b>Small spill</b> | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose via a licensed waste disposal contractor.  |
| <b>Large spill</b> | Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal. |

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### Section 7. Handling and storage

#### Precautions for safehandling

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges.

#### Conditions for safe storage,including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Do not reuse container.

### Section 8. Exposure controls/personal protection

#### Occupational exposure limits

| Ingredient name                            | Exposure limits                                     |
|--|---|
| Solvent naphtha (petroleum), medium aliph. | <b>ACGIH (US):</b><br>STEL: 200 ppm<br>TWA: 100 ppm |

#### Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

#### Appropriate engineering controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

#### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

##### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

##### Eye/face protection

Avoid direct contact. Never touch eyes with dirty hands or gloves. Safety eyewear complying with an approved standard should be used when a risk assessment

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indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

### Section 8. Exposure controls/personal protection

|                        |  |
|------------------------|--|
| Hand protection        | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.  |
| Body protection        | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  |
| Other skin protection  | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  |
| Respiratory protection | Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary e.g. in case of insufficient ventilation. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |

### Section 9. Physical and chemical properties

#### Appearance

|   |  |
|---|--|
| Physical state                              | Liquid   |
| Color                                       | Clear  |
| Odor threshold                              | No data available                                |
| Melting point                               | Not applicable                                   |
| Boiling point                               | 155 °C   |
| Flammability (solid, gas)                   | No data available                                |
| Lower and upper explosive(flammable) limits | No data available                                |
| Flash point                                 | 37 °C  |
| Auto-ignition temperature                   | No data available                                |
| Decomposition temperature                   | No data available                                |
| pH  | Not applicable                                   |
| Viscosity                                   | Approx 55 KU                                     |
| Solubility                                  | Soluble in aromatic solvents, insoluble in water |
| Partition coefficient: n-octanol/water      | No data available                                |
| Evaporation rate                            | No data available                                |
| Vapour pressure                             | No data available                                |
| Relative density                            | 0.91 g/ml (typical)                              |
| Vapour density                              | No data available                                |
| Particle characteristics                    | No data available                                |

### Section 10. Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | No specific test data related to reactivity available for this product or its ingredients. |
| Chemical stability                 | Stable under normal conditions.  |
| Possibility of hazardous reactions | Under normal conditions of storage and use, hazardous reactions will not occur.            |
| Conditions to avoid                | No data available  |

### Section 10. Stability and reactivity

**Incompatible materials**

No data available

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Section 11. Toxicological information

#### Acute Toxicity

| Ingredient name                            | Result          | Species | Dose        | Exposure |
|--|-----------------|---------|-------------|----------|
| Solvent naphtha (petroleum), medium aliph. | LD50 Oral       | Rat     | >2000 mg/kg | -        |
|  | LD50 Dermal     | Rabbit  | >2000 mg/kg | -        |
|  | LC50 Inhalation | Rats    | <20 m/l     | 4 hours  |

#### Irritation/Corrosion

| Ingredient name                            | Result            | Species | Score | Exposure | Observation       |
|--|-------------------|---------|-------|----------|-------------------|
| Solvent naphtha (petroleum), medium aliph. | Skin - Irritation | Rabbit  | <6    | -        | Mild irritant     |
|  | Eye - Irritation  | Rabbit  | <15   | -        | Moderate irritant |

#### Specific target organ toxicity (single exposure)

| Ingredient name                            | Category   | Route of exposure | Target Organs  |
|--|------------|-------------------|----------------|
| Solvent naphtha (petroleum), medium aliph. | Category 3 | Not determined    | Not determined |

#### Specific target organ toxicity (repeated exposure)

No data available

#### Aspiration hazard

| Ingredient name                            | Result                         |
|--|--------------------------------|
| Solvent naphtha (petroleum), medium aliph. | ASPIRATION HAZARD - Category 1 |

#### Information on the likely routes of exposure

Inhalation, skin and eye contact.

#### Potential acute health effects

##### Eye contact

Causes serious eye damage.

##### Inhalation

Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.

##### Skin contact

Harmful in contact with skin. May cause an allergic skin reaction.

##### Ingestion

Maybe harmful if swallowed. May be fatal if swallowed and enters airways.

#### Symptoms related to the physical, chemical and toxicological characteristics

##### Eye contact

Adverse symptoms may include pain or irritation, watering or redness.

##### Inhalation

Adverse symptoms may include nausea or vomiting, headache, drowsiness/ fatigue or dizziness/vertigo.

##### Skin contact

Adverse symptoms may include irritation or redness.

##### Ingestion

May cause damage to organs through prolonged or repeated exposure.

#### Potential chronic health effects

##### General

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

##### Carcinogenicity

No known significant effects or critical hazards.

##### Mutagenicity

No known significant effects or critical hazards.

##### Teratogenicity

No known significant effects or critical hazards.



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Developmental effects

No known significant effects or critical hazards.

Fertility effects

No known significant effects or critical hazards.

Acute toxicity estimates

No data available.

### Section 12. Ecological information

#### Toxicity

| Ingredient name                            | Result                 | Species                 | Exposure |
|--|------------------------|-------------------------|----------|
| Solvent naphtha (petroleum), medium aliph. | Acute LC/EC50 8.1 mg/l | Fish - Salmon           | 96 hours |
|  | Acute LC/EC50 6 mg/l   | Aquatic - Daphnia magna | 48 hours |
|  | Acute LC/EC50 9.4 mg/l | Algae - Green algae     | 8 hours  |

#### Bioaccumulative potential

| Ingredient name                           | LogPow | BCF  | Potential |
|---|--------|------|-----------|
| Solvent naphtha (petroleum), light aliph. | -      | <100 | -         |

#### Mobility in soil

Soil/water partition coefficient (KOC)

No data available.

#### Mobility

No data available.

PBT/vPvB data

P: No data available.

B: No data available.

T: No data available.

Other adverse effects




No known significant effects or critical hazards.

### Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### Section 14. Transport information

|                           | Transportation - road - SANS 10228:2012  | Transportation Maritime - IMO/ IMDG   | Transportation- Air – IATA   |
|---------------------------|--|---|--|
| UN number                 | 1263   | 1263  | 1263   |
| UN proper shipping name   | Paint  | Paint   | Paint  |
| Transport hazardclass(es) | 3<br> | 3<br> | 3<br> |



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|   |                           |  |  |
|---|---------------------------|--|--|
|   |                           |  |  |
| <b>Packing group</b>  | III                       | III  | III  |
| <b>Environmental hazards</b>  | Environmentally hazardous | Marine pollutant                             | Environmentally hazardous  |
| <b>Additional information</b>   | No data available         | <b>Emergency schedules (EmS)</b><br>F-E, S-E | <b>Passenger and Cargo Aircraft Ltd QTY:</b><br>Quantity limitation: 10 L<br>Packaging instructions: Y344<br><b>Cargo Aircraft Only:</b><br>Quantity limitation: 220 L<br>Packaging instructions: 366<br><b>Limited Quantities – Passenger Aircraft</b><br>Quantity limitation: 60L<br>Packaging instructions: 355 |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</b> | No data available         | No data available                            | No data available  |

### Section 15. Regulatory information

**Safety, health and environmental regulations specific for the product**

**Relevant information regarding authorization:** Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.

**Relevant information regarding restrictions:** None known. EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP] and EU directives 67/548/EEC or EC 1999/45/EC

**Other National regulations:** None. Standards used for PPE recommendations in Section 8: NIOSH-National Institute for Occupational Health and Safety (USA) EN 166- European standard which concerns the area of eye protection. EN 374-3 European standards for permeation and penetration. EN 141/EN 143 European standards for gas mixtures to remove specified gases and vapours or combined filters for removing solids, and/or liquid particles and specified gases and vapours.

### Section 16. Other information

#### History

#### Date of review

| Date of review | Version | Amendments        |
|----------------|---------|-------------------|
| 02/09/2024     | 1       | GHS COMPLIANT SDS |

Date of previous issue Version:

#### Key to abbreviations

ATE = Acute Toxicity Estimate  
BCP Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution from Ships, 1973



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as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OHSA = Occupational Health and Safety Act, 1993 (South Africa)  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
UN = United Nations  
Supplier Safety Data Sheets.

### References

### Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

### Notice to readers:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

### Legal disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be only used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.