

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product name:** Guardian Tactile D Primer  
**Recommended use:** Priming Solution for Guardian Tactile Adhesion  
**Other Means of Identification:** Mixture  
**Other Name:** Tactile Primer; ADHESIVES containing flammable liquid  
**Supplier:** Guardian Tactile Systems Pty Ltd  
Unit 11/88 Erindale Road Balcatta WA 6021  
**Telephone:** +61 8 9240 1888  
**Facsimile:** +61 8 9240 1988

**2. HAZARD(S) IDENTIFICATION**

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



Flame

Flammable Liquids 2

H225 Highly flammable liquid and vapour.



Health hazard

Toxic to Reproduction 1A

H360 May damage fertility or the unborn child.

STOT RE 2

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

Aspiration Hazard 1

H304 May be fatal if swallowed and enters airways.



Environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.

Aquatic Acute 2

H401 Toxic to aquatic life.

**Signal Word** Danger

**Hazard Statements**

- H225 Highly flammable liquid and vapour.
- H360 May damage fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.
- H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statements**






- P233 Keep container tightly closed.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P240 Ground/bond container and receiving equipment.
- P242 Use only non-sparking tools.
- P273 Avoid release to the environment.
- P243 Take precautionary measures against static discharge.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire: Use to extinguish: CO2, powder or water spray.
- P391 Collect spillage.
- P405 Store locked up.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national regulations.

<b>3. COMPOSITION AND INFORMATION ON INGREDIENTS</b>
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**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

64742-89-8	Solvent naphtha, petroleum, light aliphatic  Germ Cell Mutagenicity 1B, H340; Carcinogenicity 1B, H350; Aspiration Hazard 1, H304	30-60%
110-54-3	Hexane  Flammable Liquids 2, H225;  Toxic to Reproduction 2, H361; STOT RE 2, H373; Aspiration Hazard 1, H304;  Aquatic Chronic 2, H411;  Skin Corrosion/Irritation 2, H315; STOT SE 3, H336	<20%

**Additional information:**

Note H: The classification and label shown for this substance applies to the dangerous property(ies) indicated by the Risk Phrase(s) in combination with the category(ies) of danger shown. The manufacturers, distributors and importers of this substance shall be obliged to carry out an investigation to make themselves aware of the relevant and accessible data which exists for all other properties to classify and label the substance. The final label shall follow the requirements of section 7 of Annex VI of directive 67/548/EEC. - Cas 64742-89-8

Note P: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS no. 200-753-7). - Cas 64742-89-8

**4. FIRST AID MEASURES**

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: Overexposure may include fatigue, blurred vision, headache, drowsiness, dizziness, shortness of breath and possible nausea.

Skin Contact: May cause skin irritation and redness.

Eye Contact: May cause redness, tearing and swelling.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting, abdominal pain and diarrhoea. May be fatal if swallowed and enters airways. Ingestion may lead to CNS effects similar to inhalation.

**5. FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Foam, dry chemical or carbon dioxide. Do not use water jets.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and other organic compounds.

Product is highly flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

### **Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

### **Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Do NOT use combustible absorbent materials such as sawdust. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

## 7. HANDLING AND STORAGE

### **Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. DO NOT use or store in a confined space. Open containers cautiously, as the contents may be under pressure. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

### **Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames, hot surfaces and direct sunlight. Keep away from strong oxidising agents. Protect containers from physical damage. Do not pressurise, weld, cut or drill on full or empty containers. Residue may ignite explosively if heated.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### **Exposure Standards:**

#### **110-54-3 Hexane**

WES TWA: 72 mg/m<sup>3</sup>, 20 ppm

### **Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

### **Respiratory Protection:**

Use an approved organic vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Impervious gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:**

<b>Form:</b>	Paste
<b>Colour:</b>	Opaque, brown
<b>Odour:</b>	Typical hydrocarbon odour
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	Not applicable
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	>40 °C
<b>Flash Point:</b>	<-20 °C (Closed cup)
<b>Flammability:</b>	Highly flammable.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available
<b>Relative Density:</b>	~ 0.73
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Insoluble
<b>Partition Coefficient (n-octanol/water):</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerisation will not occur.
<b>Chemical Stability:</b>	Stable at ambient temperature and under normal conditions of use.
<b>Conditions to Avoid:</b>	Heat, sparks, open flames, hot surfaces and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products:</b>	Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

**Toxicity:**

**LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:** No information available

**Acute Health Effects**

**Inhalation:**

Overexposure may include fatigue, blurred vision, headache, drowsiness, dizziness, shortness of breath and possible nausea.

**Skin:** May cause skin irritation and redness.

**Eye:** May cause redness, tearing and swelling.

**Ingestion:**

May cause gastrointestinal irritation, nausea, vomiting, abdominal pain and diarrhoea. May be fatal if swallowed and enters airways. Ingestion may lead to CNS effects similar to inhalation.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitisation:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:**

May damage fertility or the unborn child.

n-Hexane is classified by Safe Work Australia as Toxic to Reproduction Category 3.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration Hazard:** May be fatal if swallowed and enters airways.

**Chronic Health Effects:**

Repeated exposure may cause skin dryness or cracking and irritation leading to dermatitis.

Prolonged or repeated exposure may cause CNS depression and damage to the liver and kidneys.

**Existing Conditions Aggravated by Exposure:**

Exposure to this product may aggravate existing skin conditions such as sensitisation and dermatitis.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No further relevant information available.

**Aquatic toxicity:**

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Persistence and Degradability:** No further relevant information available.

**Bio accumulative Potential:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

**Other adverse effects:** No further relevant information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

**14. TRANSPORT INFORMATION****UN Number**

ADG, IMDG, IATA

UN1133

**Proper Shipping Name**

ADG, IMDG, IATA

ADHESIVES containing flammable liquid  
(Contains Heptane and Naphtha Petroleum Distillates)**Dangerous Goods Class**

ADG Class:

3 Flammable liquids

**Packing Group:**

ADG, IMDG, IATA

III

**Marine pollutant:**

Yes

**EMS Number:**

F-E,S-D

**Hazchem Code:**

.3YE

**Limited Quantities:**

5L

**Packaging & IBCs - Packing Instruction:**

P001, IBC02

**Packaging & IBCs - Special Packing Provisions:**

PP1

**Portable Tanks & Bulk Containers - Instructions:**

T4

**Portable Tanks & Bulk Containers – Special Provisions:** TP1, TP8**15. REGULATORY INFORMATION****Australian Inventory of Chemical Substances:**

64742-89-8

Solvent naphtha, petroleum, light aliphatic

110-54-3

Hexane

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Poisons Schedule: 5

**16. OTHER INFORMATION**

**Date of Preparation or Last Revision:** 05.05.2017  
**Prepared by:** MSDS.COM.AU Pty Ltd [www.msds.com.au](http://www.msds.com.au)  
**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC<sub>50</sub>: Lethal concentration, 50 percent  
LD<sub>50</sub>: Lethal dose, 50 percent  
IARC: International Agency for Research on Cancer  
STEL: Short Term Exposure Limit  
TWA: Time Weighted Average  
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants)  
Flammable Liquids 2: Flammable liquids – Category 2  
Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2  
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B  
Carcinogenicity 1B: Carcinogenicity – Category 1B  
Toxic To Reproduction 1A: Reproductive toxicity – Category 1A  
Toxic To Reproduction 2: Reproductive toxicity – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
Aspiration Hazard 1: Aspiration hazard – Category 1  
Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2  
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”.

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