

Infosafe No™ VARGT	Issue Date : January 2021	ISSUED by HUNTERST
Product Name SHELLITE		

1. Identification

GHS Product Identifier	SHELLITE
Company Name	Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
Address	60 Gleadow Street INVERMAY TAS 7248 AUSTRALIA
Telephone/Fax Number	Tel: 03 6331 4755 Fax: 03 6334 1065
Emergency phone number	0407 610 542
Recommended use of the chemical and restrictions on use	Industrial solvent.

2. Hazard Identification

GHS classification of the substance/mixture	Aspiration Hazard: Category 1 Flammable Liquids: Category 2 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2 Skin Corrosion/Irritation: Category 2 STOT Repeated Exposure: Category 2 STOT Single Exposure: Category 3 (narcotic) Toxic to Reproduction: Category 2
Signal Word (s)	DANGER
Hazard Statement (s)	H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H361 Suspected of damaging fertility or the unborn child . H373 May cause damage to organs through prolonged or repeated exposure . H411 Toxic to aquatic life with long lasting effects.
Precautionary statement – General	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Flame, Exclamation mark, Health hazard, Environment



Precautionary statement – Prevention	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions 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 dust/fume/gas/mist/vapours/spray. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required.
Precautionary statement – Response	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Infosafe No™ VARGT	Issue Date : January 2021	ISSUED by HUNTERST
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Precautionary statement – Storage	<p>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/attention.</p> <p>P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P314 Get medical advice/attention if you feel unwell.</p> <p>P331 Do NOT induce vomiting.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P362 Take off contaminated clothing and wash before reuse.</p> <p>P391 Collect spillage.</p>
Precautionary statement – Disposal	<p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with local regulations.</p>

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Heptane and isomers	various	32-36 %
	Cyclohexane	110-82-7	25-27 %
	n-Hexane	110-54-3	15-20 %
	Other hydrocarbons	N/A	to 100%

4. First-aid measures

Inhalation	Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Ingestion	If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.
Eye contact	If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists seek medical attention.
First Aid Facilities	Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
Advice to Doctor	Product is a mixture of hydrocarbons. If swallowed, vomiting should not have been induced because of risk of aspiration of hydrocarbon froth into the lungs. Irritating to skin and eyes. Concentrated vapours may be narcotic. Inhalation over-exposure may lead to pulmonary oedema. Contact Poisons Information Centre.

5. Fire-fighting measures

Suitable extinguishing media	Foam, water spray or fog. Dry chemical powder or carbon dioxide for small fires only. Do not use water in a jet.
Hazards from Combustion Products	Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.
Special Protective Equipment for fire fighters	Wear full protective clothing and self-contained breathing apparatus.
Specific hazards arising from the chemical	Highly flammable liquid, flash point -15 °C. Vapour/air mixture may be flammable. Vapour heavier than air, risk of remote ignition. Spray/mist will be more flammable than the liquid. Contact with strong oxidising agents may cause fire.
Hazchem Code	3YE

6. Accidental release measures

Emergency Procedures	<p>Contain.</p> <p>Shut off all sources of ignition.</p> <p>Increase ventilation.</p>
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Infosafe No™ VARGT Issue Date : January 2021 ISSUED by HUNTERST

Product Name **SHELLITE**

Methods and materials for containment and cleaning up For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

Spills & Disposal Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

7. Handling and storage

Precautions for Safe Handling Avoid contact with skin and eyes.
Avoid breathing vapours.
Keep away from naked flames and other sources of ignition.

Conditions for safe storage, including any incompatibilities Avoid contact with skin, eyes and clothing. Avoid breathing vapours. Wash thoroughly after handling. Handle and open container with care in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near aerosols, flammables, strong oxidants and corrosives.

Product Transfer Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Remove any ignition sources and avoid sparks and any other sources of heat.

8. Exposure controls/personal protection

Exposure Controls, Personal Protection In the absence of occupational exposure standards for this product, it is recommended that the following be adopted: HSPA 450mg/m3 TWA (8hr)

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	n-Hexane			176	50	
Appropriate engineering controls	Use only flame proof equipment. Ensure adequate ventilation (same as outdoors) when using. If handling industrial quantities, or if vapour risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible and at least below the TLV.					
Respiratory Protection	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65 Deg C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.					
Personal Protective Equipment	Avoid contact with the skin and eyes. Avoid breathing the vapour or spray/mist. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Normal Use: Eye/face protection Gloves, rubber or plastic. Industrial Quantities: Face shield or safety glasses Gloves, rubber or plastic Plastic apron, sleeves and boots Impervious overalls. Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.					

9. Physical and chemical properties

Form Liquid

Infosafe No™ VARGT	Issue Date : January 2021	ISSUED by HUNTERST
Product Name SHELLITE		

Appearance	Clear, almost colourless, oily liquid.
Odour	Paraffinic Sweet
Melting Point	Data not available
Boiling Point	75-115 degC
Solubility in Water	Not miscible with water
Specific Gravity	0.7
pH	N/A
Vapour Pressure	No data.
Vapour Density (Air=1)	8.65 @ 20 Deg C
Flash Point	-15C (Abel)
Flammability	Flammable liquid.
Auto-Ignition Temperature	350 °C
Other Information	Mixture of aliphatic hydrocarbons. Flammable. Contact with strong oxidising agents may cause fire. Very slippery when spilled.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Oxides of carbon, black smoke.

11. Toxicological Information

Acute Toxicity - Oral	Expected to be of low toxicity: LD50 >2000 mg/kg , Rat
Acute Toxicity - Dermal	Expected to be of low toxicity: LD50 >2000 mg/kg , Rat
Acute Toxicity - Inhalation	Expected to be of low toxicity: LC50 >20 mg/l / 4 hours, Rat High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or eath.
Ingestion	Harmful if swallowed. Risk of aspiration of hydrocarbon froth into the lungs. Likely to cause gastric upset, nausea, vomiting and diarrhoea. May cause central nervous system depression, characterised by excitement, then headache, dizziness, drowsiness and nausea. Advanced intoxication may cause collapse, loss of consciousness, coma, possible death from respiratory collapse.
Inhalation	Inhalation of vapours may cause central nervous system effects, including headache, dizziness, drowsiness, nausea, unconsciousness and coma. Aspiration of even quite small quantities of hydrocarbons into the lungs may cause serious lung damage, pneumonitis (inflammation of lung tissues) and pulmonary oedema (fluid build-up in the lungs) which may become a medical emergency. Onset of symptoms may be delayed.
Skin	May be irritating to skin. Will have a degreasing effect on the skin. May cause redness, irritation, dryness cracking and inflammation. May cause cyanosis of the extremities.
Eye	Irritating to eyes. May cause chemical conjunctivitis and corneal damage.
Carcinogenicity	Tumours produced in animals are not considered relevant to humans. (Solvent Naphtha (Petroleum), Light Aliphatic)
Reproductive Toxicity	Causes foetotoxicity in animals at doses which are maternally toxic. Affects reproductive system in animals at doses which produce other toxic

Infosafe No™ VARGT	Issue Date : January 2021	ISSUED by HUNTERST
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Product Name **SHELLITE**

Chronic Effects effects. (n-Hexane)
Central nervous system: repeated exposure affects the nervous system.
Kidney: caused kidney effects in male rats which are not considered relevant to humans
Peripheral nervous system: causes peripheral neuropathy which can be potentiated by ketones. (n-Hexane)

Mutagenicity Not expected to be mutagenic.

12. Ecological information

Ecotoxicity Harmful to aquatic organisms.

Persistence and degradability Readily biodegradable.
Oxidises rapidly by photo-chemical reactions in air.

Mobility Adsorbs to soil and has low mobility.
Floats on water.

Bioaccumulative Potential Has the potential to bioaccumulate.

Environmental Protection Avoid contaminating waterways, drains, sewers, or ground.

Acute Toxicity - Fish 1 < LC/EC/IC50 <= 10 mg/l

Acute Toxicity - Daphnia 1 < LC/EC/IC50 <= 10 mg/l

Acute Toxicity - Algae 1 < LC/EC/IC50 <= 10 mg/l

Acute Toxicity - Bacteria 1 < LC/EC/IC50 <= 10 mg/l

13. Disposal considerations

Waste Disposal Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.

Product Disposal Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.
Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water.

Container Disposal Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Refer to Section 7 before handling the product or containers. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

14. Transport information

Transport Information Classified as a Class 3 Dangerous Good. Dangerous Goods of Class 3 Flammable Liquids, are incompatible in a placard load with any of the following: - Class 1, Class 2.1, if both the Class 3 and Class 2.1, dangerous goods are in bulk, Class 2.3, Class 4.2, Class 5, Class 6, if the Class 3 dangerous goods are nitromethane and Class 7.

U.N. Number 1268

UN proper shipping name PETROLEUM DISTILLATES, N.O.S.

Transport hazard class(es) 3

Hazchem Code 3YE

Packing Group II

EPG Number 3A1

IERG Number 14

Infosafe No™ VARGT	Issue Date : January 2021	ISSUED by HUNTERST
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Product Name **SHELLITE**

15. Regulatory information

Poisons Schedule S5
AICS (Australia) All components listed.

16. Other Information

Date of preparation or last revision of SDS 30/01/2021

Literature References Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons
Australian Code for the Transport of Dangerous Goods by Road & Rail
Globally Harmonised System of classification and labelling of chemicals

Signature of Preparer/Data Service Technical Manager 0407 610 542

Technical Contact Numbers Emergency Advice All Hours:
Technical Manager: 0407 610 542 Mon-Fri 8am - 6pm
Poisons Information Centre: 13 11 26 - 24hrs
Transport/Fire Emergency: 000 (Emergency services)

Other Information This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.
...End Of MSDS...

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