Infosafe No™ VAR5G	Issue Date :October 2024	ISSUED by HUNTERST

Product Name **INVADE**

Section 1 - Identification

Product Identifier	INVADE
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	0417 744 144
Recommended use of the chemical and restrictions on use	As a heavy duty grease remover. Use as directed on the product label.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Eye damage/irritation: Category 1 Skin corrosion/irritation: Category 1B
Signal Word	DANGER
Hazard Statement (s)	H314 Causes severe skin burns and eye damage.
Pictogram (s)	Corrosion

Precautionary Statement – Prevention	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling. P280(f) Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement – Response	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P363 Wash contaminated clothing before reuse.
Precautionary Statement – Storage	P405 Store locked up.
Precautionary Statement – Disposal	P501 Dispose of contents/container in accordance with local regulations.
Precautionary Statement – General	P102 Keep out of reach of children. P103 Read carefully and follow all instructions.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
Sodium carbonate	497-19-8	30-60 %
Disodium metasilicate	6834-92-0	10-30 %
Alkaline Salts		10-30 %
Sodium hydroxide	1310-73-2	10-30 %
Ingredients determined not to be hazardous		0-10 %
Non hazardous surfactants	Mixture	0-10 %

Section 4 - First Aid Measures

Inhalation	Remove from exposure, rest and keep warm. Unless exposure has been slight, obtain medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Give a glass of water to be taken slowly. Obtain medical attention.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before re-use. If symptoms of irritation persist, see a doctor.
Eye	If in eyes, hold eyes upen, flood with water for at least 15 minutes and see a doctor.
First Aid Facilities	Eye wash. Hand wash basin.
Advice to Doctor	Product contains sodium hydroxide and disodium metasilicate. Vomiting has not been induced because of risk of aspiration into the lungs. If swallowed, may cause holes in stomach and intestines. Evacuation of stomach should not be attempted. Contact Poisons Information Centre.

Section 5 - Firefighting Measures

Suitable Extinguishing Media	Use dry chemical, carbon dioxide, foam or water fog.
Hazards from Combustion Products	Carbon dioxide, water vapour, sodium carbonate, oxides of sulphur and phosphorous.
Special Protective Equipment for Firefighters	Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel.
Specific Hazards Arising from the Chemical	Not flammable. Contact with aluminium, tin, zinc or galvanised iron may generate hydrogen, a flammable gas. Will react vigorously or violently with acids, generating much heat, and giving off carbon dioxide, a simple asphyxiant. Contact with ammonium compounds will generate ammonia, a poisonous gas.
Hazchem Code	2X

Section 6 - Accidental Release Measures

Spills & Disposal	Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition. CARE! Spillages will be slippery when wet. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water.

Section 7 - Handling and Storage

Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well ventilated place, out of reach of children. Large quantities should be stored in a dangerous goods store. Store in original container. Keep container tightly closed. Keep container dry. Keep away from acids, aluminium, tin, zinc and galvanised iron. Protect from physical damage. Clean up all spills promptly; avoid secondary accidents.

Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limit (OEL) Values

Name	STEL		TWA		
	mg/m3	ppm	mg/m3	ppm	Footnote
Sodium hydroxide			2		Peak limitation

Engineering Controls

Do not use on aluminium, tin, copper or copper alloys, zinc or galvanised iron. If dust risk exists, consider local mechanical exhaust/extraction to

	keep airborne contamination below TLV.
Personal Protective Equipment	Avoid contact with the skin. Prevent contact with the eyes. Avoid breathing the dust. 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 cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

Section 9 - Physical and Chemical Properties

Form	Solid
Appearance	White granular powder.
Odour	Almost odourless.
Melting Point	No data.
Solubility in Water	Soluble in water, with generation of heat.
pH	>13 (1% solution)
Vapour Pressure	None
Flash Point	None.
Flammability	Not flammable.
Other Information	Alkaline. Hygroscopic. Will absorb moisture and carbon dioxide from the air. Will react vigorously with acids, generating heat and carbon dioxide, a simple asphyxiant and chlorine, a toxic gas. Contact with aluminium, tin, zinc or galvanised iron may generate hydrogen, a flammable gas. Contact with ammonium compounds will generate ammonia, a poisonous gas. Will attack wood and paper products. May attack glass on prolonged contact. Spillages will be slippery when wet.

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal use conditons.
Possibility of Hazardous Reactions	Will react violently with acids, generating carbon dioxide. Contact with active metals may generate hydrogen. Reaction with ammonium compounds may generate ammonia.
Conditions to Avoid	Heat, flames, ignition sources and incompatibles.
Incompatible Materials	Acids, acidic salts, active metals (such as aluminium, tin and zinc), ammonium compounds, wood and wood products, glass.
Hazardous Decomposition Products	Emits choking and corrosive fumes when heated to decomposition.

Section 11 - Toxicological Information

Acute Toxicity - Oral	LD 50 : Sodium carbonate anhydrous 4,090 mg/kg oral, rat. Sodium hydroxide No data found. Sodium metasilicate anhydrous 1,153 mg/kg oral, rat. 770 mg/kg oral, mouse. LDLo : Sodium hydroxide 500 mg/kg oral, rabbit
Ingestion	Corrosive. Can cause burns to mouth and throat, nausea, vomiting, abdominal pains and diarrhoea (occasionally bloody). Can also cause swelling of the larynx and suffocation, perforation of stomach and intestines with constrictive scarring.

Inhalation	Severe irritation of the nose and throat. Can cause inflammation of the lungs. Effects may range from mild irritation of the mucous membranes to severe pneumonitis (inflammation and damage to lung tissues), and may include cough, a burning sensation, laboured breathing, sneezing, sore throat and runny nose. Inhalation of dusts or aerosols may lead to pulmonary oedema (fluid build-up in the lungs), which may become a medical emergency. Onset of symptoms may be delayed by several hours.
Skin	May cause severe burns to the skin, with effects including; Redness, blistering, localised pain and dermatitis.
Eye	Will cause burns to the eyes with effects including: Pain, tearing, conjunctivitis and if duration of exposure is long enough, blindness will occur.
Chronic Effects	Long term, low level exposure can lead to irritation of skin, lungs, nose, throat and mouth.

Section 12 - Ecological Information

Ecotoxicity	Harmful to aquatic organisms.
Persistence and Degradability	The surfactants used in this product are considered to be readily biodegradable.
Mobility	Powder is easily contained, but material is reasonably soluble in large amounts of water.
Environmental Fate	Contains mixed surfactants. Local concentrations may be harmful to aquatic organisms, including fish. Contains a moderate proportion of phosphate. May contribute to the development of algal blooms in natural waters.
Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.

Section 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.
Special Precautions for Incineration or Landfill	Unsuitable for incineration.

Section 14 - Transport Information

Transport Information	Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7. Store away from acids.
ADG UN Number	3262
ADG Proper Shipping Name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
ADG Transport Hazard Class	8
ADG Packing Group	II
Hazchem Code	2X
IERG Number	37

Section 15 - Regulatory Information

Poisons Schedule	S6
Australia (AICS/AIIC)	All components listed.

Section 16 - Any Other Relevant Information

Date of Preparation	28/10/2024

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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 GHS7
Signature of Preparer/Data Service	Technical Manager 0417 744 144
Technical Contact Numbers	Emergency Advice All Hours: Technical Manager: 0417 744 144 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...