



Safety Data Sheet

Ice-Breaker Penetrating Spray

SECTION 1. IDENTIFICATION

Product Identifier	Ice-Breaker Penetrating Spray
Part number	TAUS240IB
Product Family	Solvent blend
Recommended Use	Penetrant.
Restrictions on Use	Hazardous Substance. Dangerous Goods: According to the criteria of NOHSC and the ADG Code.
Supplier Identifier	Wolfchester Australia Pty. Ltd. 4/122 Beresford Road Lilydale, Victoria Australia 3140 +613 9737 2800
Emergency Phone No.	Poisons Information Centre, 131126, Operation hours: 24/7

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable aerosol - Category 1; Gas under pressure - Compressed gas; Skin irritation - Category 2; Specific target organ toxicity (single exposure) - Category 3; Aspiration hazard - Category 1

Label Elements



Danger

Extremely flammable aerosol.

Pressurized container: may burst if heated.

Contains gas under pressure; may explode if heated.

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause respiratory irritation.

Keep away from heat, sparks, open flames, and hot surfaces. – No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing vapours, spray.

Wash hands and skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

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Do NOT induce vomiting.
 IF ON SKIN: Wash with plenty of water.
 Take off contaminated clothing and wash it before reuse.
 If skin irritation occurs: Get medical advice or attention.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a POISON CENTRE or doctor if you feel unwell.
 Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C (122 °F).
 Store in a well-ventilated place.
 Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Petroleum gases, liquefied	68476-85-7	60-100		
Naphtha (petroleum), hydrotreated light	64742-49-0	10-20	heptane	
Distillates (petroleum), hydrotreated light	64742-47-8	3-7		
Stoddard solvent	8052-41-3	3-7		
Distillates (petroleum), hydrotreated middle	64742-46-7	1-5		
1,2,4-Trimethylbenzene	95-63-6	0.1-1.0		
n-Nonane	111-84-2	0.1-1.0		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). If skin irritation or a rash occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention.

Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Drink two glasses of water. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam. Use water to keep non-leaking, fire-exposed containers

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cool.

Unsuitable Extinguishing Media

DO NOT use water or water-based extinguishing agents.

Specific Hazards Arising from the Product

Closed containers may rupture violently when heated releasing contents. Contains gas under pressure; may explode if heated. Extremely flammable aerosol. Extremely flammable liquid and vapour. Can ignite at room temperature.

Releases vapour that can form explosive mixture with air. May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, resulting in a fire hazard. May travel a considerable distance to a source of ignition and flash back to a leak or open container.

Very toxic carbon monoxide, carbon dioxide. and other unidentified organic compounds.

Special Protective Equipment and Precautions for Fire-fighters

Use extreme caution. Fight fire from a safe distance or a protected location.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Eliminate all ignition sources if safe to do so. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, if ventilation is not sufficient. Remove or isolate incompatible materials as well as other hazardous materials.

Environmental Precautions

If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Do not puncture or incinerate container even when empty. Do not spray on an open flame or other ignition source. Do not pierce or burn container, even after use. Do not weld, cut or perform hot work on empty container until all traces of product have been removed. Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Wash hands thoroughly after handling this material.

Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated, out of direct sunlight and away from heat and ignition sources. Store at temperatures not exceeding: 40°C.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL [C]	TWA	Ceiling
n-Nonane	200 ppm	Not established	Not established	Not established
Distillates (petroleum), hydrotreated light	200 mg/m3 A3	Not established	Not established	Not established
Stoddard solvent	100 ppm	Not established	Not established	Not established
1,2,4-Trimethylbenzene	25 ppm	Not established	Not established	Not established

Appropriate Engineering Controls

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Sufficient mechanical ventilation to maintain exposures below the TLV. Under normal conditions of use, general ventilation should be satisfactory. Local ventilation is recommended if the product is misted or used in a confined space or if the TLV is exceeded. Make up air should always be supplied to balance air exhausted. Provide eyewash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.
Suitable materials are: neoprene rubber, nitrile rubber.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Aerosol.
Odour	Solvent
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	-8 °C
Evaporation Rate	Not available
Flammability (solid, gas)	Extremely flammable aerosol
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	> 1
Relative Density (water = 1)	0.74 at 15 °C
Solubility	Negligible in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic)
Other Information	
VOC %	Not available
Flame projection	Not available
NFPA Classification	Aerosol, level 3

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

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None expected under normal conditions of storage and use.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources. Incompatible materials.

Incompatible Materials

Increased risk of fire and explosion on contact with: strong oxidizing agents (e.g. perchloric acid).

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide. and other unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation;
Skin contact;
Eye contact;
Ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
n-Nonane	3200 ppm (rat) (4-hour exposure)	> 15000 mg/kg (rat)	Not available
Naphtha (petroleum), hydrotreated light	Not available	5000 mg/kg	2000 mg/kg
Stoddard solvent	> 5500 mg/m3 (rat) (4-hour exposure)	> 5000 mg/kg (rat)	> 3000 mg/kg (rabbit)
1,2,4-Trimethylbenzene	18000 mg/m3 (rat) (4-hour exposure)	5000 mg/kg (rat)	Not available

93% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (inhalation)

77% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (oral)

78% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (dermal)

Skin Corrosion/Irritation

There is limited evidence of moderate or severe irritation.

Serious Eye Damage/Irritation

There is limited evidence of very mild irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

At high concentrations may cause nose and throat irritation, depression of the central nervous system. Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

Skin Absorption

No information was located.

Ingestion

If large amounts are swallowed can cause effects as described for inhalation. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Aspiration Hazard

May cause lung damage if aspirated based on physical properties (e.g. kinematic viscosity) and chemical family (hydrocarbon).

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

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Respiratory and/or Skin Sensitization

No information was located for respiratory sensitization.

No information was located for skin sensitization.

Carcinogenicity

Chemical Name	ACGIH®	IARC	NTP	OSHA
Distillates (petroleum), hydrotreated middle	Not Listed	Not Listed	Not Listed	Not Listed
Distillates (petroleum), hydrotreated light	A3	Group 3	Not Listed	Not Listed
Petroleum gases, liquefied	Not Listed	Not Listed	Not Listed	Not Listed

No information was located.

No information was located for: Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

This section is not required by OSHA HCS 2012.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Empty containers retain product residue. Follow label warnings even if container appears to be empty. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container. Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	UN1950	Aerosols	2.1	---
US DOT	UN1950	Aerosols	2.1	---
IMDG (Marine)	UN1950	Aerosols	2.1	---
IATA (Air)	UN1950	Aerosols, flammable	2.1	---

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Emergency Response 126 EmS F-D, S-U

Guide No.

Other Information ICAO/IATA PI Y203/203
Product may ship as LTD QTY if TDG, ICAO/IATA or IMDG Limited Quantity provisions are met.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

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CEPA - National Pollutant Release Inventory (NPRI)

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Part 5.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

CERCLA: Not applicable.

SARA Title III - Section 302: Not applicable.

SARA Title III - Section 313.

California Proposition 65: Not applicable.

Massachusetts Right To Know: Not applicable.

New Jersey Right To Know.

Pennsylvania Right To Know.

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 4	Instability - 3
SDS Prepared By	Wolfchester Australia Pty. Ltd.		
Phone No.	03 9737 2800		
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Key to Abbreviations	ACGIH® = American Conference of Governmental Hygienists CANUTEC = Canadian Transport Emergency Centre CAS = Chemical Abstract Service CCOHS = Canadian Centre for Occupational Health & Safety CNS = Central nervous system GESTIS = GESTIS Substance Database HSDB® = Hazardous Substances Data Bank IARC = International Agency for Research on Cancer ICAO = International Civil Aviation Organization IMDG = International Maritime Dangerous Goods Code LC = Lethal concentration LD = Lethal dose NFPA = National Fire Protection Association NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration PPM = Parts per million RTECS® = Registry of Toxic Effects of Chemical Substances STEL = Short term exposure limit TDG = Transportation of Dangerous Goods Regulations (Canada) TWA = Time weighted average		
References	Material safety data sheet from manufacturer. CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Accelrys, Inc. Available from Canadian Centre for Occupational Health and Safety (CCOHS). ECHA - European Chemical Agency, Classification and Labelling Inventory GESTIS Substance Database OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2015.		
Disclaimer	The information contained herein is offered only as a guide to the use and handling of this		
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