

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name HDD Gel

1.2 Details of supplier of the product

Supplier name BLICK - AUSTRALIA
Address 20 Trevi Crescent, Tullamarine, VIC 3043, Australia
Telephone 61+ 3 9068 5688 (Melbourne) +61 8 6271 3575 (Perth)
Email sales@blick.group
Emergency Number Australia Poisons Information Centre 13 11 26

Supplier name BLICK – NEW ZEALAND
Address 21 Kahu Crescent, Te Rapa, Hamilton 3200, New Zealand
Telephone +64 849 2366
Email sales@blick.group
Emergency Number NZ National Poisons Centre 0800 POISON/ 0800 764 766

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulation, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)

2.2 Carcinogenicity

Nil

2.3 Label elements

Signal Word (s)

Nil

2.4 Hazard Statement (s)

Does not meet criteria for hazardous classification

2.5 Pictogram (s)

Nil

2.6 Precautionary statement – Prevention

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P281 Use personal protective equipment as required.

2.7 Precautionary statement – Response

P308+P313 IF exposed or concerned: Get medical advice/attention.

2.8 Precautionary statement – Storage

Nil

2.9 Precautionary statement – Disposal

P501 Dispose of contents / container to an approved waste disposal plant.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Information on Composition

The respirable fraction of free crystalline silica is less than 1.5%.

3.2

Ingredient	CAS Number	Content
BENTONITE Smectite Bentonite Bentonite, Sodium Sodium-activated Bentonite Montmorillonite	1302-78-9	*>95%

*Naturally occurring mineral. The product contains other ingredients which do not contribute to the overall classification.

3.3

Constituents (Identity of chemical ingredients)	CAS Number	Content
QUARTZ	14808-60-7	< 1.5%
CRISTOBALITE	14464-46-1	< 0.001%
TRIDYMITE	15468-32-3	< 0.001%
Ingredients determined not to be hazardous	-	Balance

Composition Comments

Bentonite contains naturally occurring crystalline silica (not listed in Annex I of Directive 67/548/EEC) in quantities less than 6%. Occupational Exposure Limits for constituents are listed in Section 8. The purity of the product is 100% w/w. Impurities are not applicable for a UVCB substance. This product contains less than 1.5% w/w RCS (respirable crystalline silica) as determined by the SWeRF method. The respirable crystalline silica content can be measured using the SWeRF method.

4 FIRST AID MEASURES

4.1 Description of first aid measures

Eye	If in eyes, hold eyelids apart and flush continuously with running water. Remove contact lenses. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Ingestion	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
First aid facilities	Eye wash facilities and safety shower should be available.

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation to the eyes, skin and respiratory system.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

5.2 Special hazards arising from the substance or mixture

Non flammable. May evolve toxic gases if strongly heated.

5.3 Advice for firefighters

No fire or explosion hazard exists. Fire fighters should wear SCBA operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

5.4 Hazchem code

None allocated.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

6.2 Environmental precautions

Prevent product from entering drains and waterways.

6.3 Methods of cleaning up

If spilt, collect and reuse where possible. Contain spillage, then collect and place in suitable containers for disposal. Avoid generating dust. Dampen if within confined area.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure standards

Ingredient	Reference	Time Weighted Average		Short Term Exposure Limit	
		ppm	mg/m ³	ppm	mg/m ³
Crystalline silica (quartz)	SWA (AUS)	--	0.05	--	--
Dust not otherwise specified	SWA (AUS)	--	10	--	--

Biological limits

No biological limit values have been allocated for this product.

8.2 Exposure controls

Engineering controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

PPE

Eye / Face	Wear dust-proof goggles.
Hands	When using large quantities or where heavy contamination is likely, wear PVC or rubber gloves.
Body	When using large quantities or where heavy contamination is likely, wear coveralls.
Respiratory	Where an inhalation risk exists, wear a Class P1/P2 (Particulate) respirator.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Light Pink, off white impalpable powder or granules
Colour	Light pink, off white
Odour	Odourless
Flammability	Non-combustible
Flash point	Not applicable
Boiling point	Not applicable
Melting point	Not applicable
Evaporation rate	Not available
pH	7 – 9 (20% aqueous slurry)
Vapour density	Not applicable
Specific gravity	3.30
Solubility (water)	Insoluble. Forms colloidal suspensions in water, with strong thixotropic properties.
Vapour pressure	Not applicable
Upper explosion limit	Not applicable
Lower explosion limit	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2 Other information

Bulk density	1000 g/cm ³
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10 STABILITY AND REACTIVITY

10.1 Reactivity

Not available

10.2 Chemical stability

Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

Polymerization will not occur.

10.4 Conditions to avoid

Extremes of temperature, dust accumulation.

10.5 Incompatible materials

Not available.

10.6 Hazardous decomposition products

Not available

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Information available for the product: This product is expected to be of low toxicity. Based on available data, the classification criteria are not met.
Skin	May be irritating to skin. Symptoms include redness, itching and swelling.
Eye	May be irritating to eyes. Symptoms include redness, itching and tearing.
Sensitization	Not classified as causing skin or respiratory sensitisation.
Mutagenicity	Not classified as a mutagen.
Carcinogenicity	Not classified as a carcinogen.
Reproductive	Not classified as a reproductive toxin.
STOT – single exposure	Not expected to cause toxicity to a specific target organ.
STOT – repeated exposure	May cause damage to organs through prolonged or repeated exposure by inhalation.
Aspiration	Not relevant.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

No ecological toxicity data available.

12.2 Persistence and degradability

Not available.

12.3 Bio accumulative potential

Not available.

12.4 Mobility in soil

Not available.

12.5 Other adverse effects

Prevent from entering waterways, drains and sewers.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal Legislation Dispose of in accordance with relevant local legislation.

14 TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
14.1 UN Number	None Allocated	None Allocated	None Allocated
14.2 Proper Shipping Name	None Allocated	None Allocated	None Allocated
14.3 Transport hazard class	None Allocated	None Allocated	None Allocated
14.4 Packing Group	None Allocated	None Allocated	None Allocated

14.5 Environmental hazards

No information provided

14.6 Special precautions for user

Hazchem code None Allocated

15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.
The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

Hazard codes None allocated.

Risk phrases None allocated.

Safety phrases None allocated.

Inventory listing(s) **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**
All components are listed on AICS, or are exempt.

16 OTHER INFORMATION

Additional information

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

EXPOSURE CONTROL: If utilised in a closed system the potential for over exposure is reduced. If not used in a closed system, local exhaust ventilation is recommended to control exposure. Provide eye wash and safety shower in close proximity to points of potential exposure. Where the potential for an inhalation risk exists, an approved respirator may be required. Do not eat, store, consume food, tobacco or drink in areas where product is used.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. It is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	EC No - European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

[End of SDS]