Issue date: 06-January-2017 Revision date: -Supersedes date: -Version number: 01



## SAFETY DATA SHEET

#### 1. Identification

Product identifier	Joint Tite 750 Part B
Other means of identification	None.
Recommended use of the chemic	cal and restrictions on use
Recommended use	Repair product.
<b>Restrictions on use</b>	Not available.
Details of manufacturer or impor	ter
Company Name	LATICRETE International
Address	1 Laticrete Park, N
	Bethany, CT 06524
Telephone	(203)-393-0010
Contact person	Steve Fine
Website	www.laticrete.com
Emergency phone number	Call CHEMTREC day or night
	USA/Canada - 1.800.424.9300
	Mexico - 1.800.681.9531
	Outside USA/Canada
	1.703.527.3887
Supplier	
Company Name	LATICRETE Australia
Address	P.O. Box 508
	Virginia Business Mail Centre
	29 Telford Street
	VIRGINIA QLD 4014
	AUSTRALIA
Telephone	(61) (7) 3865-1599
Website	www.laticrete.com
Emergency phone number	1.703.527.3887

#### 2. Hazard(s) identification

#### Classification of the hazardous chemical

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2

#### Label elements, including precautionary statements

Hazard symbol(s)			
	Corrosion	Exclamation Environment mark	

Signal word

Danger

Hazard statement(s)	Harmful if swallowed. Causes severe skin burns and eye damage. Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	
Prevention	Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.
Response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Collect spillage.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards which do not result in classification	None known.
Supplemental information	Not applicable.

#### 3. Composition/information on ingredients

#### Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Polyoxypropylenediamine	9046-10-0	35 - 65
Benzenamine, 4,4'-methylenebis N-(1-methylpropyl)-	5285-60-9	10 - 25
Titanium dioxide	13463-67-7	5 - 15
Diethylmethylbenzenediamine	68479-98-1	4 - 7
Carbon black	1333-86-4	1 - 1.6
Quartz	14808-60-7	0.1 - 0.3

**Composition comments** 

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

#### Description of necessary first aid measures

· · · · · · · · · · · · · · · · · · ·	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Skin contact	Take off immediately all contaminated clothing. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Get medical attention immediately.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Symptoms caused by exposure	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Medical attention and special treatment	Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.
5. Fire-fighting measures	

# Extinguishing media Suitable extinguishing media Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2). media Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire. Specific hazards arising from the chemical Fire may produce irritating, corrosive and/or toxic gases.

Special protective equipment and precautions for fire fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.
Hazchem code	2X
General fire hazards	No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
For emergency responders	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions	Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS.
Other issues relating to spills and releases	Clean up in accordance with all applicable regulations.
7. Handling and storage	

Precautions for safe handling	Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Store in a cool and well-ventilated place. Store away from incompatible materials (See Section 10).

#### 8. Exposure controls and personal protection

**Control parameters** 

Follow standard monitoring procedures.

#### **Occupational exposure limits**

#### Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Туре	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable dust.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Inhalable dust.

# Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Туре	Value	Form
TWA	3 mg/m3	
TWA	0.1 mg/m3	
TWA	10 mg/m3	Inspirable dust.
;		
Туре	Value	Form
TWA	3.5 mg/m3	Inhalable fraction.
TWA	0.025 mg/m3	Respirable fraction.
	TWA TWA TWA TWA <b>Type</b> TWA	TWA3 mg/m3TWA0.1 mg/m3TWA10 mg/m3TypeValueTWA3.5 mg/m3

#### **US. ACGIH Threshold Limit Values**

Components	Туре	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
UK. EH40 Workplace Exposure Li	mits (WELs)		
Components	Туре	Value	Form
Carbon black (CAS 1333-86-4)	STEL	7 mg/m3	
	TWA	3.5 mg/m3	
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable.
Titanium dioxide (CAS 13463-67-7)	TWA	4 mg/m3	Respirable.
,		10 mg/m3	Inhalable

## Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Туре	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	4 mg/m3	Inhalable dust.
		0.3 mg/m3	Respirable dust.
Biological limit values	No biological exposure limits noted for the	e ingredient(s).	
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.		
Individual protection measures	s, for example personal protective equipm	ent (PPE)	
Eye/face protection	Wear safety glasses with side shields (or needed.	goggles). Face-shield. We	ar a full-face respirator, if
Skin protection			
Hand protection	Wear appropriate chemical resistant glov	es.	
Other	Wear appropriate chemical resistant cloth	ning.	
<b>Respiratory protection</b>	In case of insufficient ventilation, wear su	itable respiratory equipmer	nt.
Thermal hazards	Wear appropriate thermal protective cloth	ning, when necessary.	
Hygiene measures	Always observe good personal hygiene n and before eating, drinking, and/or smoki equipment to remove contaminants.		
9. Physical and chemical	properties		
Appearance	Amber liquid.		
Physical state	Liquid.		
Form	Liquid.		
Color	Amber.		
Odor	Ammonia odor.		
Odor threshold	Not available.		

	Not available.	
рН	Not available.	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	< 586 °F (< 307.78 °C)	
Flash point	212.0 °F (100.0 °C)	
Evaporation rate	Not available.	
Flammability (solid, gas)	Not available.	
Upper/lower flammability or explosive limits		

### Flammability limit - lower Not available.

Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.06
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	No data available.
Other physical and chemical part	rameters
Density	8.85 lb/gal
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	Heat, flames and sparks. Contact with incompatible materials.
Incompatible materials	Isocyanates. Strong oxidizing agents. Strong acids.
Hazardous decomposition	Organic vapor.

## 11. Toxicological information

products

#### Information on possible routes of exposure

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Inhalation	Causes severe respiratory tract irritation.	
Skin contact	Causes severe skin burns.	
Eye contact	Causes serious eye damage.	
Ingestion	Harmful if swallowed.	
Symptoms related to exposure	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.	

#### Acute toxicity Harmful if swallowed.

Components	Species	Test Results
Carbon black (CAS 1333-86-4)		
Acute		
Dermal		
LD50	Rabbit	> 3000 mg/kg
Oral		
LD50	Rat	> 8000 mg/kg
Titanium dioxide (CAS 13463-67-	7)	
Acute		
Inhalation		
LC50	Rat	3.43 mg/l, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
Skin corrosion/irritation	Causes severe skin burns and eye damage.	
Serious eye damage/irritation	Causes serious eye damage.	
Respiratory or skin sensitizatio	n	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
Skin sensitization	Not a skin sensitizer.	
Joint Tite 750 Part B		SDS Austra

mutagenic or genotoxic.     mutagenic or genotoxic.       Carcinogenicity     Not classified, however the product may contain variable amounts of quartz silca. Will not cause cancer and/or long-term lung injury (silcosis) in liquid state. Crystalline silica poses a health hazard when it is inhaled as a classified.       ACGH Carcinogens     Carbon black (CAS 1333-86-4)     AS Confirmed animal carcinogen, with unknown relevance to humans.       Quartz (CAS 14808-60-7)     AS Suspected human carcinogen.     Maximum discussified animal carcinogen.       Tatenium dioxide (CAS 1333-86-4)     2B Suspected human carcinogen.       Carbon black (CAS 1333-86-4)     2B Possibly carcinogenic to humans.       Quartz (CAS 14808-60-7)     A Stopeted human carcinogen.       Tatenium dioxide (CAS 1333-86-4)     2B Possibly carcinogenic to humans.       Quartz (CAS 14808-60-7)     No data available.       Specific target organ toxicity - No data available.     No data available.       Specific target organ toxicity - No data available.     No classified.       Specific target organ toxicity - No data available.     No classified.       Chronic effects     Prolonged or repeated contact may dry skin and cause dermatitis.       Chronic effects     No classified.       Carbon black (CAS 1333-86-4)     Agae       Agae     No classified.       Chronic effects     No data available.       Specific target organ toxicity - Not classofied.     Specific acute or chronic heath imp	Germ cell mutagenicity	No data available to indicate	product or any components present at greater than 0.1% are
cancer and/or long-term lung injury (sitiosis) in liquid state. Crystalline sitics opear a tealth hazard when it is inhaled as a dust. Normal use of product does not generate sitics or other dust. Inhalation of carbon black corst 11 is inhaled as a dust. Normal use of product does not generate sitics or other dust. Inhalation of carbon black corst 133-86-4.         ACGIH Carcinogens       A3 Confirmed animal carcinogen. Numans.         Quartz (CAS 1480-80-7)       A3 Confirmed animal carcinogen.         Tatanium dioxide (CAS 1333-86-4.)       X2 Suspected human carcinogen.         Carbon black (CAS 1333-86-4.)       Z2 Suspected human carcinogen.         CARC Monographs. Overall Evaluation of Carcinogenic to humans.       Carbon black (CAS 1333-86-7.)         Carbon black (CAS 13483-86-7.)       Z2 Possibly carcinogenic to humans.         Reproductive toxicity       No data available.         Specific target organ toxicity -       No data available.         Specific target organ toxicity -       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated exposure.         Aspiration hazard (CAS 1333-86-4.)       Not classified.         Aspiration hazard (CAS 1333-86-4.)       Not classified.         Specific target organ toxicity -       Not classified.         Specific arget organ toxicity -       Not classified.         Chronic effects       Prolonged or repeated exposure.         Aspiration hazard (CAS 1333-86-4.)	Cerni cen matagementy		
Carbon black (CAS 1333-86-4)       A3 Confirmed animal carcinogen with unknown relevance to humans.         Quartz (CAS 14808-60-7)       A3 Suspected human carcinogen.         Titanium dioxide (CAS 1334-85-47)       A3 Not classifiable as a human carcinogen.         Quartz (CAS 14808-60-7)       10 arcinogenic to humans.         Quartz (CAS 14808-60-7)       10 arcinogenic to humans.         Titanium dioxide (CAS 1345-87-7)       28 Possibly carcinogenic to humans.         Specific target organ toxicity       No data available.         Specific target organ toxicity       No data available.         Specific target organ toxicity       Not classified exposure.         Aspiration hazard       Not classified exposure.         Aspiration hazard       Not data available.         Specific target organ toxicity       Not classified exposure.         Aspiration hazard       Not classified exposure.         Aspiration hazard       Not classified exposure.         Aspiration hazard       Specific acute or chronic health impact noted.         Aspiration hazard       Specific acute or chronic health impact noted.         Aspiration hazard       Los aualable.       >= 1000 mg/l, 96 Hours         Poloxypropylenediamine (CAS 1438-8-4)	Carcinogenicity	cancer and/or long-term lung hazard when it is inhaled as Inhalation of carbon black or	injury (silicosis) in liquid state. Crystalline silica poses a health a dust. Normal use of product does not generate silica or other dust. titanium dioxide dust may cause cancer, however due to the physical
Nummes.     Nummes.       Quartz (CAS 14808-60-7)     A2 Suspected human carcinogen.       Titanium dioxide (CAS 1348-87-7)     A4 Not classifiable as a human carcinogen.       Carbon black (CAS 1343-86-4)     28 Possibly carcinogenic to humans.       Quartz (CAS 14808-60-7)     1 Carcinogenic to humans.       Titanium dioxide (CAS 1343-86-4)     28 Possibly carcinogenic to humans.       Specific target organ toxicity     No data available.       Specific target organ toxicity     No data available.       Specific target organ toxicity     Not classified. The product contains a substance that may cause damage to organs through product orpated exposure.       Aspiration hazard     Not classified. The product contains a substance that may cause damage to organs through product orpated exposure.       Chronic effects     Prolonged or repeated contact may dry skin and cause dermatits.       Chronic information     No tic aspiration flazard       Catos update:     Iteration product is available.       Aquatic     Aquatic       Acce     Specific arget oxid.       Aquatic     No data available on the degradability of this product.       Aquatic     No data available on the degradability of this product.       Aquatic     No data available.       Acce     No data available.       Porsonged correpeated contains an ealed contains at all contains and ediposal sinthe organ back.       Postonoric     <	ACGIH Carcinogens		
Titanium dioxide (CAS 1343-86-77)       A4 Not classifiable as a human carcinogen.         IARC Monographs. Overall Evaluation of Carcinogenic to Carcinogenic to humans. Quartz (CAS 14808-80-7)       2B Possibly carcinogenic to humans.         Reproductive toxicity       No data available.       2B Possibly carcinogenic to humans.         Specific target organ toxicity - single exposure       No data available.       2B Possibly carcinogenic to humans.         Specific target organ toxicity - repeated exposure       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated exposure.         Aspiration hazard       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated exposure.         Aspiration hazard       Not classified conterpeated exposure.         Chronic effects       Not classified with long lasting effects.         Components       Specific arget oxpan toxicity - fish       No to available.         Aquatic       Acute       spiration hazard       Not classified.         Acutic       Acute       specific arget oxpan toxicity - fish       LCS0       Leuciscus idus       set Not classified.         Acute       Acute       No data available.       set Not classified.       Set Not classified.         Acute       No data available on the degradability of this product.       No data available.       Set Not classified.	Carbon black (CAS 1333	3-86-4)	-
Quartz (CAS 14808-60-7)       I Carcinogenic to humans         Titinatium dioxide (CAS 13463-67.7)       ZB Possibly carcinogenic to humans         Specific target organ toxicity- ingle exposure       No data available.         Specific target organ toxicity- repeated exposure       No data svailable.         Specific target organ toxicity- repeated exposure       Not classified. The product ontains a substance that may cause damage to organs through repeated exposure.         Aspiration hazard       Not classified. The product ontains a substance that may cause damage to organs through repeated exposure.         Chronic effects       Prolonged or repeated contact may dry skin and cause dermatitis.         Other information       No other specific acute or chronic health impact noted.         IC. Ecological information       Toxic to aquatic life with long lasting effects.         Components       Species       Test Results         Carton black (CAS 1333-86-4)       Aquatic       >= 1000 mg/l, 96 Hours         Aquatic       Cronic       Aquatic       >= 1000 mg/l, 96 Hours         Aquatic       Aquatic       Other available.       >= 1000 mg/l, 96 Hours         Polyoxyprophenediamine (CAS 9046-10-0)       Aquatic       Other available.       >= 1000 mg/l, 96 Hours         Porsistence and degradability       No data available.       Secondatavailable.       Secondatavailable. <t< th=""><th>Titanium dioxide (CAS 1</th><th>3463-67-7)</th><th>A4 Not classifiable as a human carcinogen.</th></t<>	Titanium dioxide (CAS 1	3463-67-7)	A4 Not classifiable as a human carcinogen.
Tianium dioxide (CAS 13463-67.7)       2B Possibly carcinogenic to humans.         Reproductive toxicity       No data available.         Specific target organ toxicity - inproduct contains a substance that may cause damage to organs through prolonged or repeated exposure.       Image: Contained target organ toxicity - inproduct contains a substance that may cause damage to organs through prolonged or repeated exposure.         Aspiration hazard       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated exposure.         Other information       No other specific acute or chronic health impact noted.         Components       Species       Test Results         Carbon black (CAS 1333-86-4)       Acute       Acute         Acute       LC50       Leuciscus idus       >= 1000 mg/l, 96 Hours         Polyoxypropylenediamine (CAS 9046-10-0)       Aquatic       Aquatic       No data available on the degradability of this product.         Aquatic       No data available for this product.       No data available.       Secondability of this product.         Mobility in soil       No data available.       Secondability of this product.       Secondability of this product.         Agae       No data available.       Secondability of this product.       Secondability of this product.         Agae       No data available.       Secondability of this product.       Secondability of this product. </th <th></th> <th></th> <th></th>			
Reproductive toxicity       No data available.         Specific target organ toxicity       No data available.         Specific target organ toxicity       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated exposure.         Specific target organ toxicity       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated exposure.         Aspiration hazard       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated contact may dry skin and cause dermattits.         Other information       No other specific acute or chronic health impact noted.         I. Ecological information       Toxic to aquatic life with long lasting effects.         Components       Species       Test Results         Carbon black (CAS 1333-86-4)       Aquatic       Acute         Acute       LC50       Leuciscus idus       >= 1000 mg/l, 96 Hours         Polycoxpropylenediamine (CAS 9046-10-0)       Aquatic       Acute       Acute       Acute         Aquatic       No data available on the degradability of this product.       No data available on the degradability of this product.       Species       Acute         Bioaccumulative potential       No data available on the degradability of this product.       Species       LC hornic         Aligae       No data available.       S			
Specific target organ toxicity single exposure       No data available:         Specific target organ toxicity repeated exposure       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated exposure.         Aspiration hazard       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated exposure.         Aspiration hazard       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated exposure.         Aspiration hazard       Not classified. The product contains a substance that may cause damage to organs through prolonged or repeated exposure.         Aspiration hazard       No tale softed contact may dry skin and cause dermattitis.         Components       Species       Test Results         Carbon black (CAS 1333-86-4)       Aquatic       Acute         Acute       Fish       LC50       Leuciscus idus       >= 1000 mg/l, 96 Hours         Polycoxypropylenediamine (CAS 90+6-10-0)       Aquatic       Aquatic       Acute       Species       >= 1000 mg/l, 96 Hours         Porsistence and degradability       No data available on the degradability of this product.       No data available for this product.       Species	· ·	•	2B Possibly carcinogenic to numaris.
single exposure Specific target organ toxicity - Prolonged or repeated exposure. Aspiration hazard Not classified. Chronic effects Prolonged or repeated contact may dry skin and cause dermatitis. Other information No other specific acute or chronic health impact noted.  12. Ecological information Toxic to aquatic life with long lasting effects. Components Components Components Components Components Components Component Compone Component Compone Component Component Component Compone Component Compone Component Component Component Component Component Component Component Component			
repeated exposure prolonged or repeated exposure. Aspiration hazard Not classified. Chronic offects Prolonged or repeated contact may dry skin and cause dermatitis. Chronic offects Prolonged or repeated contact may dry skin and cause dermatitis. Other information No other specific acute or chronic health impact noted. 12. Ecological information Toxic to aquatic life with long lasting effects. Components Species Test Results Carbon black (CAS 1333-86-4) Aquatic Acute Fish LC50 Leuciscus idus >=1000 mg/l, 96 Hours Polyoxypropylenediamine (CAS 9046-10-0) Aquatic Chronic Algae NOEC Algae 0.32 mg/l, 72 hours Persistence and degradability No data is available on the degradability of this product. Bioaccumulative potential No data available. Other adverse effects No data available. Disposal methods Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into severs/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of content/scontainer in accordance with local/regional/infermational/infermational regulations. Residual waste Disposal methods Dispose of in accordance with local regulations. Residual waste potential Moderners should be taken to an approved waste handling site for recycling or disposal. Singeose of in accordance with local regulations. Employ containers should be taken to an approved waste handling site for recycling or disposal. Singeose empled containers may retain product residue. Handling site for recycling or disposal. Alge LC contaminate packaging Limpt site in accordance with local regulations. Alge LC residue. No data available taken to an approved waste handling site for recycling or disposal. Since empled containers may retain product residue, for recycling or disposal. Since empled containers may retain product residue. Handling site for recycling or disposal. Since empled containers may retain product residue. Handling site for recycling or di	single exposure		
Chronic effects Prolonged or repeated contact may dry skin and cause dermatitis. Other information No other specific acute or chronic health impact noted. 12. Ecological information Toxic to aquatic life with long lasting effects. Components Species Test Results Carbon black (CAS 1333-86-4) Aquatic Acute Fish LC50 Leuciscus idus >= 1000 mg/l, 96 Hours Polyoxypropylenediamine (CAS 9046-10-0) Aquatic Aquate Chronic Algae NOEC Algae 0.32 mg/l, 72 hours Persistence and degradability No data is available on the degradability of this product. Bioaccumulative potential No data available on the degradability of this product. Mobility in soil No data available. 13. Disposal consideration: Disposal methods Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into severs/water supplies. Do not containniate ponds, waterways or ditches with chemical or used container. Dispose of ontainniate ponds, waterways or ditches with chemical or used container. Dispose of ontainniate ponds, waterways or ditches with chemical or used container. Dispose of ontainniate ponds, waterways or ditches with chemical or used container. Dispose of ontainniate ponds, waterways or ditches with chemical or used container. Dispose of ontainniate ponds, waterways or ditches with chemical or used container. Dispose of ontainniate ponds, waterways or ditches With coal/regional/national/international regulations. Residual waste Disposal origination. Emproduct residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Contaminate packaging Chiesen should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. UN number 2735			
Other information       No other specific acute or chronic health impact noted.         12. Ecological information       Toxic to aquatic life with long lasting effects.         Components       Species       Test Results         Carbon black (CAS 1333-86-4)       Aquatic       Species       Test Results         Aquatic       Aquatic       Species       Test Results         Carbon black (CAS 1333-86-4)       Aquatic       Species       Species       Test Results         Aquatic       Aquatic       Species       Species       Species       Species         Polyoxypropylenediamine (CAS 9046-10-0)       Aquatic       Species       Species <th>Aspiration hazard</th> <th>Not classified.</th> <th></th>	Aspiration hazard	Not classified.	
12. Ecological information         Toxic to aquatic life with long lasting effects.         Components       Test Results         Carbon black (CAS 1333-86-4)         Aquatic Acute       Aquatic Acute       Species       Test Results         Fish       LC50       Leuiscus idus       >= 1000 mg/l, 96 Hours         Polyoxypropylenediamine (CAS 9046-10-0)       Aquatic Chronic Algae       NOEC       Algae       0.32 mg/l, 72 hours         Persistence and degradability       No data is available on the degradability of this product.       No data available for this product.         Mobility in soil       No data available.       Us data available.       Us data available.         J Disposal considerations       Collect and reclaim or dispose in sealed containers duste disposal site. Do not allow this horadure. Dispose of on accordance with local regulations. Empty containers or liners may retain some product residues. This material to focar fore guidalito.         Residual waste       Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Dispose) in containers may retain product residue, follow label warnings even after container is emptied.         14. Transport information       Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied.         14. Transport information<	Chronic effects	Prolonged or repeated conta	ct may dry skin and cause dermatitis.
Ectotxicity     Toxic to aquatic life with long lasting effects.       Components     Species     Test Results       Carbon black (CAS 1333-86-4)     Aquatic       Acute     -       Fish     LC50     Leuciscus idus       Polyoxypropylenediamine (CAS 9046-10-0)     Aquatic       Algae     NOEC     Algae       Other adverse effects     No data is available on the degradability of this product.       Bioaccumulative potential     No data available for this product.       Mobility in soil     No data available.       Other adverse effects     No data available.       Disposal considerational/international/international regulations.       Residual waste     Collect and reclaim or dispose in sealed containers or liners or liners may retain some product regional/mational/international regulations.       Residual waste     Dispose of in accordance with local regulations. Empty containers or liners may retain some product regional/mational international regulations.       Contaminated packaging     Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied.       H.1 Transport information:     Impty containers may retain product residue, follow label warnings even after containers is emptied.       Mobility in womet     2735	Other information	No other specific acute or ch	onic health impact noted.
Components         Species         Test Results           Carbon black (CAS 1333-86-4)         Aquatic         Acute         Fish         LC50         Leuciscus idus         >= 1000 mg/l, 96 Hours           Polyoxypropylenediamine (CAS 9046-10-0)         Aquatic         Aquatic         Aquatic           Chronic         Agae         0.32 mg/l, 72 hours         Persistence and degradability           No data available on the degradability in soil         No data available for this product.         Species           Mobility in soil         No data available.         Species         Species           13. Disposal considerations         Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into severs/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/mational/intermational regulations.           Residual waste         Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal intertores)           Since emptied containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.           41. Transport information         Katero accordance with local regulations. Empty container should be taken to an approved waste handling site for recy	12. Ecological information	ı	
Carbon black (CAS 1333-86-4)       Aquatic         Acute       Fish       LC50       Leuciscus idus       >= 1000 mg/l, 96 Hours         Polyoxypropylenediamine (CAS 9046-10-0)       Aquatic       Chronic       Agae       0.32 mg/l, 72 hours         Persistence and degradability       NOEC       Algae       0.32 mg/l, 72 hours         Persistence and degradability       No data is available on the degradability of this product.       Bioaccumulative potential       No data available for this product.         Mobility in soil       No data available.       Other adverse effects       No data available.         Other adverse effects       No data available.       Other adverse of the considerations         Disposal nethods       Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with coal/regional/national/international regulations.         Residual waste       Dispose of in accordance with local regulations.         Disposal methods       Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.         14. Transport information       UN number       2735	Ecotoxicity	Toxic to aquatic life with long	lasting effects.
Aquatic       Acute       Fish       LC50       Leuiscus idus       >= 1000 mg/l, 96 Hours         Polyoxyropylenediamine (CAS Jordan       Leuiscus idus       >= 1000 mg/l, 96 Hours       Polence         Aquatic       Chronice       Aquatic       Second Polence       Algae       No EC       Algae       Os data savelible on the degradability of this product.         Persistence and degradability       No data avaelible on the degradability of this product.       No data avaelible on the degradability of this product.       No data avaelible on the degradability of this product.         Mobility in soil       No data avaelible on the degradability of this product.       No data avaelible on the degradability of this product.         Storsposal consideration       No data avaelible on the degradability of this product.       No data avaelible on the degradability of this product.         Storsposal consideration       No data avaelible on the degradability of this product.       No data avaelible on the degradability of this product.         Storsposal consideration       No data avaelible on the degradability of this product.       No data avaelible on the degradability of this product.         Storsposal consideration       No data avaelible on the degradability of this product.       No data avaelible on the degradability of this product.         Storsposal consideration       No data avaelible on the degradability of this product.       Notata avaelible on the degradability of this p	Components	Species	Test Results
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Persistence and degradabilityNo data is available on the degradability of this product.Bioaccumulative potentialNo data available for this product.Mobility in soilNo data available.Other adverse effectsNo data available. <b>13. Disposal considerationality</b> Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.Residual wasteDisposal in a safe manner (see: Disposal instructions).Contaminated packagingEmpty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.ADG UN numberYa35	Fish Polyoxypropylenediamine (CAS 9 <b>Aquatic</b>		s >= 1000 mg/l, 96 Hours
Bioaccumulative potentialNo data available for this product.Mobility in soilNo data available.Other adverse effectsNo data available.13. Disposal considerationCollect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.Residual wasteDispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).Contaminated packagingEmpty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.ADG UN numberYa35	Fish Polyoxypropylenediamine (CAS 9 <b>Aquatic</b> <i>Chronic</i>	046-10-0)	
Mobility in soilNo data available.Other adverse effectsNo data available.J3. Disposal consideration:Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.Residual wasteDispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).Contaminated packagingEmpty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied.ADG UN numberZ735	Fish Polyoxypropylenediamine (CAS 9 <b>Aquatic</b> <i>Chronic</i> Algae	046-10-0) NOEC Algae	0.32 mg/l, 72 hours
Other adverse effects       No data available.         13. Disposal consideration:       Image: Disposal methods       Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.         Residual waste       Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).         Contaminated packaging       Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.         ADG       UN number       2735	Fish Polyoxypropylenediamine (CAS 9 <b>Aquatic</b> <i>Chronic</i> Algae <b>Persistence and degradability</b>	046-10-0) NOEC Algae No data is available on the d	0.32 mg/l, 72 hours
13. Disposal considerations         Disposal methods       Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.         Residual waste       Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).         Contaminated packaging       Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.         ADG       UN number         VN number       2735	Fish Polyoxypropylenediamine (CAS 9 Aquatic Chronic Algae Persistence and degradability Bioaccumulative potential	046-10-0) NOEC Algae No data is available on the de No data available for this pro	0.32 mg/l, 72 hours
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Contaminated packaging       product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).         Contaminated packaging       Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.         14. Transport information       Image: Container must be disposed of in a safe manner (see: Disposal instructions).         ADG       Image: Container must be disposed of in a safe manner (see: Disposal instructions).         VN number       2735	Fish Polyoxypropylenediamine (CAS 9 Aquatic Chronic Algae Persistence and degradability Bioaccumulative potential Mobility in soil Other adverse effects 13. Disposal consideratio	046-10-0) NOEC Algae No data is available on the de No data available for this pro No data available. No data available.	0.32 mg/l, 72 hours egradability of this product. duct.
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UN number 2735	Fish Polyoxypropylenediamine (CAS 9 Aquatic Chronic Algae Persistence and degradability Bioaccumulative potential Mobility in soil Other adverse effects 13. Disposal consideratio Disposal methods Residual waste	046-10-0) NOEC Algae No data is available on the de No data available for this pro No data available. No data available. No data available. <b>ns</b> Collect and reclaim or dispose this material to drain into sew with chemical or used contain local/regional/national/interna Dispose of in accordance with product residues. This mater Disposal instructions). Empty containers should be a Since emptied containers material	0.32 mg/l, 72 hours egradability of this product. duct. e in sealed containers at licensed waste disposal site. Do not allow ers/water supplies. Do not contaminate ponds, waterways or ditches her. Dispose of contents/container in accordance with tional regulations. In local regulations. Empty containers or liners may retain some al and its container must be disposed of in a safe manner (see: aken to an approved waste handling site for recycling or disposal.
UN number 2735	Fish Polyoxypropylenediamine (CAS 9 Aquatic Chronic Algae Persistence and degradability Bioaccumulative potential Mobility in soil Other adverse effects 13. Disposal consideratio Disposal methods Residual waste Contaminated packaging	046-10-0) NOEC Algae No data is available on the de No data available for this pro No data available. No data available. <b>ns</b> Collect and reclaim or dispose this material to drain into sew with chemical or used contain local/regional/national/interna Dispose of in accordance with product residues. This mater Disposal instructions). Empty containers should be the Since emptied containers material	0.32 mg/l, 72 hours egradability of this product. duct. e in sealed containers at licensed waste disposal site. Do not allow ers/water supplies. Do not contaminate ponds, waterways or ditches her. Dispose of contents/container in accordance with tional regulations. In local regulations. Empty containers or liners may retain some al and its container must be disposed of in a safe manner (see: aken to an approved waste handling site for recycling or disposal.
UN proper shipping name POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)	Fish Polyoxypropylenediamine (CAS 9 Aquatic Chronic Algae Persistence and degradability Bioaccumulative potential Mobility in soil Other adverse effects 13. Disposal consideratio Disposal methods Residual waste Contaminated packaging	046-10-0) NOEC Algae No data is available on the de No data available for this pro No data available. No data available. <b>ns</b> Collect and reclaim or dispose this material to drain into sew with chemical or used contain local/regional/national/interna Dispose of in accordance with product residues. This mater Disposal instructions). Empty containers should be the Since emptied containers material	0.32 mg/l, 72 hours egradability of this product. duct. e in sealed containers at licensed waste disposal site. Do not allow ers/water supplies. Do not contaminate ponds, waterways or ditches her. Dispose of contents/container in accordance with tional regulations. In local regulations. Empty containers or liners may retain some al and its container must be disposed of in a safe manner (see: aken to an approved waste handling site for recycling or disposal.

Transport hazard class(es)	0
Class	8
Subsidiary risk	-
Packing group	
Environmental hazards	Yes
Hazchem code	2X
	Read safety instructions, SDS and emergency procedures before handling.
RID	0705
UN number	2735
UN proper shipping name	POLYAMINES, LIQUID, CORROSIVE, N.O.S (Polyoxypropylenediamine)
Transport hazard class(es)	
Class	8
Subsidiary risk	
Label(s)	8
Packing group	
Environmental hazards	Yes
	Read safety instructions, SDS and emergency procedures before handling.
ΙΑΤΑ	
UN number	2735
UN proper shipping name	Polyamines, liquid, corrosive, n.o.s. (Polyoxypropylenediamine)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Environmental hazards	Yes
ERG Code	8L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
IMDG	
UN number	2735
UN proper shipping name	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Polyoxypropylenediamine)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78 and	
the IBC Code	
General information	IATA classification is not relevant as the material is not transported by air.
15 Pogulatory information	
15. Regulatory information	
Safety, health and environmenta	-
National regulations	This Safety Data Sheet was prepared in accordance with the Australia National Code of Practice for the Preparation of Material Safety Data Sheets (NOHSC: 2011.)
Australia Medicines & Poiso	ns Appendix E
PHENYLENEDIAMINES I	NCLUDING ALKYLATED, ARYLATED AND NITRO DERIVATIVES, IN HAIR DYES (CAS
68479-98-1)	
Australia Medicines & Poiso	ns Appendix F
PHENYLENEDIAMINES I	NCLUDING BOTH ALKYLATED, ARYLATED AND NITRO DERIVATIVE (CAS 68479-98-1)
Australia Medicines & Poiso	
	NCLUDING ALKYLATED, ARYLATED, AND NITRO DERIVATIVES NOT ELSEWHERE
	CHEDULES (CAS 68479-98-1)
Joint Tite 750 Part B	SDS Australi
928578 Version #: 01 Revision da	

lss	ue date	06-January-2017		
16	. Other information			
			ents administered by the governing country(s). listed or exempt from listing on the inventory ad	ministered by the governing
	United States & Puerto Rico	Toxic Substances Control Act	(TSCA) Inventory	Yes
	Philippines	Philippine Inventory of Chemi (PICCS)	cals and Chemical Substances	Yes
	New Zealand	New Zealand Inventory		Yes
	Korea	Existing Chemicals List (ECL)	1	Yes
	Japan	Inventory of Existing and New	Chemical Substances (ENCS)	No
	Europe	European List of Notified Che	mical Substances (ELINCS)	No
	Europe	European Inventory of Existin Substances (EINECS)	g Commercial Chemical	No
	China	Inventory of Existing Chemica	I Substances in China (IECSC)	Yes
	Canada	Non-Domestic Substances Lis	st (NDSL)	No
	Canada	Domestic Substances List (DS	SL)	Yes
	Australia	Australian Inventory of Chemi	cal Substances (AICS)	Yes
	Country(s) or region	Inventory name		On inventory (yes/no)*
Inte	ernational Inventories			
	Not applicable.			
	Montreal Protocol Not applicable. Basel Convention			
	Not applicable.			
	Kyoto protocol			
	Rotterdam Convention Not applicable.			
	Not applicable.			
inte	Stockholm Convention			
Inte	ernational regulations			
	Restricted Carcinogenic Sul Not regulated.	ostances		
	Not listed.			
		anochlorine Chemicals (Cus	toms(Prohibited Imports) Regulations 19	956, Schedule 9)
	Not listed.			
	Prohibited Substances (Nati NOHSC:1005 (1994) as amer		e control of Workplace Hazardous Subst	ances, Schedule 2
	Not regulated.			
	Prohibited Carcinogenic Sul	ostances	400 TONNES/YR Threshold Category: 2	A
	Titanium dioxide (CAS 13	463-67-7)	2000 TONNES/YR Threshold Category:	
		(NPI) substance reporting lis	t	
	Not listed.	.9 00000000 (0000000)		
	Importation of Ozone Deleti	ng Substances (Customs(Pro	information. hibited imports) Regulations 1956, Sche	dule 10)
	Titanium dioxide (CAS 13	463-67-7)	information. 100000 - 999999 TONNES See the regu	lation for additional
	Quartz (CAS 14808-60-7)		information. 100000 - 999999 TONNES See the regu	lation for additional
	Carbon black (CAS 1333-	86-4)	10000 - 99999 TONNES See the regulat	ion for additional
	High Volume Industrial Cher	nicals (HVIC)		

Issue date	06-January-2017
Revision date	-
References	HSDB® - Hazardous Substances Data Bank Registry of Toxic Effects of Chemical Substances (RTECS)

#### Disclaimer

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