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NZ Safety Data Sheet

1. Identification of the Substance/Mixture and Supplier.			
Product Name:	BITUTHENE SOLVENT PRIMER		
Uses:	Waterproofing coating		
Supplier:	Nuralite Waterproofing Ltd 60D Leon Leicester Avenue Mt Wellington Auckland 1060 New Zealand.		
Telephone:	+64 9 579 2046		
Web:	www.nuralite.co.nz		
Emergency Telephone:	027 5350899 (General Manager) – 24 hrs		
National Poisons Centre Tel:	0800 POISON (0800 764766) – 24 hrs		
2. Hazards Identification.			
Hazardous Status: Classified as hazardous according to the criteria of HSNO.			
DG Status: Classified as Dangerous Goods according to NZS5433			
HAZARD CLASSIFICATIONS		HAZARD STATEMENTS	GHS Pictogram
HSNO	GHS Equivalent		
3.1C	Flammable liquids, Cat 3	H226 Flammable liquid and vapour.	
6.1E (oral)	Acute toxicity: Oral, Cat 5	H303 May be harmful if swallowed.	
6.1E (dermal)	Acute toxicity: Dermal, Cat 5	H313 May be harmful in contact with skin.	
6.1E (inhalation)	Acute toxicity: Inhalation, Cat 5	H333 May be harmful if inhaled.	
6.1E (inhalation)	STOT-SE, Cat 3	H335 May cause respiratory irritation.	
6.3A	Skin corrosion/irritation, Cat 2	H315 Causes skin irritation.	
6.4A	Serious eye damage/irritation, Cat 2A	H319 Causes serious eye irritation.	
6.8B	Reproductive toxicity, Cat 2	H361 Suspected of damaging fertility or the unborn child.	
6.9B (repeat exposure)	STOT-RE, Cat 2	H373 May cause damage to organs through prolonged or repeated exposure (oral/inhalation).	
9.1D	Aquatic toxicity (Acute), Cat 2	H401 Toxic to aquatic life.	
9.3C	N/A	H433 Harmful to terrestrial vertebrates.	
Signal Word:		WARNING	
PREVENTION STATEMENTS			
P102	Keep out of reach of children.		
P103	Read label before use.		
P201	Obtain special instructions before use.		
P202	Do not handle until all safety precautions have been read and understood.		
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.		
P233	Keep container tightly closed.		
P240	Ground/bond container and receiving equipment.		
P241	Use explosion-proof electrical/ventilating/lighting equipment.		

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P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE STATEMENTS

P370 + P378	In case of fire: Use foam, carbon dioxide or dry chemical powder for extinction.
P101	If medical advice is needed, have product container or label at hand.
P308 + P313	IF EXPOSED or concerned: Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

STORAGE STATEMENTS

P403 + P235	Store in a well-ventilated place. Keep cool.
P233	Keep container tightly closed.
P405	Store locked up.

DISPOSAL STATEMENTS

P501	Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.
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3. Composition/Information on Ingredients.

Chemical Entity	CAS Number	Proportion %w/w
Xylene	1330-20-7	50 - <100
Bitumen Asphalt	8052-42-4	50 - <100

4. First Aid Measures.






Swallowed	If swallowed do NOT induce vomiting. Give water to drink. Get medical attention if symptoms occur.
Inhaled	If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Obtain medical attention if symptoms occur.
Eye Contact	If splashed in the eyes, wash out immediately with water. Obtain medical attention if irritation occurs.
Skin Contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if symptoms occur.
Further Information	May cause dizziness. For advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.



5. Fire-Fighting Measures.			
Suitable extinguishing media	In case of fire, use water spray (fog), foam, dry chemical or CO2.		
Unsuitable extinguishing media	High volume water jet.		
Hazards from the substance	In a fire or if heated, a pressure increase will occur and the container may burst.		
Hazardous combustion products	Decomposition products may include: Carbon oxides, Nitrogen oxides, Other noxious substances.		
Special precautions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.		
Special protective equipment for fire fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.		
6. Accidental Release Measures.			
Personal precautions	Wear appropriate Personal Protective Equipment (see section 8). Provide adequate ventilation.		
Environmental precautions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).		
Spill	Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.		
7. Handling and Storage.			
Handling	Prevent formation of aerosols. Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Use explosion-proof apparatus / fittings and spark-proof tools. Empty containers may retain hazardous residue, both liquid and vapour. Do not cut, drill, grind or weld on or near container, whether empty or full. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Ground/bond container and receiving equipment.		
Storage	Keep only in original container. Keep container dry and tightly closed, in a cool, well-ventilated area, away from direct sunlight.		
8. Exposure Control/Personal Protection			
Exposure Standards			
Product/Ingredient	WES/TWA	WES/STEL	Reference
Xylene	50ppm, 217mg/m3	-	NZ-WES
Asphalt fumes	5 mg/m3	-	NZ WES
Engineering Controls	General ventilation and local exhaust should be suitable to keep vapour concentrations below WES/TWA. Ventilation equipment should be explosion-proof when operating in flammable zones.		

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Personal Protection	    				
Respiratory	Wear a vapour respirator.				
Eyes	Wear chemical goggles/face protection.				
Hands	Wear chemical gloves – PVC, Polychlorpropene or Nitrile.				
Other	Wear overalls or dust coat. Use PVC apron when handling large quantities.				
9. Physical and Chemical Properties					
PROPERTY	SPECIFICATION				
Physical state	Liquid				
Colour	According to product specification.				
Odour	Characteristic.				
pH	No data				
Boiling Pt	110 °C				
Melting Pt	No data				
Flash Pt	27 °C				
Explosive properties	In use, may form flammable/explosive vapour-air mixture.				
Vapour pressure	No data				
Density	~ 1 g/mL				
Water Solubility	Insoluble.				
Viscosity	No data				
Ignition temperature	No data				
10. Stability and Reactivity					
Stability	The product is stable				
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.				
Conditions to avoid	Keep away from heat/sparks/open flames/hot surfaces. No smoking.				
Incompatible materials	No data				
Hazardous decomposition products	Combustion may release Carbon oxides, Nitrogen oxides and other noxious substances.				
11. Toxicological Information					
Original data sourced from CCID/raw material SDS – Mixture rules applied					
Classification:	Acute Oral Toxicity – 6.1E				
Health Effects:	May be harmful if swallowed				
Classification:	Acute Dermal Toxicity – 6.1E				
Health Effects:	May be harmful in contact with skin				
Classification:	Acute Inhalation Toxicity – 6.1E				
Health Effects:	May be harmful if inhaled				
Classification:	STOT-SE, Cat 3 – 6.1E				
Health Effects:	May cause respiratory irritation				

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Classification:	Skin Corrosion/Irritancy – 6.3A		
Health Effects:	Causes skin irritation.		
Classification:	Eye Corrosion/Irritancy – 6.4A		
Health Effects:	Causes serious eye irritation.		
Classification:	Reproductive/Development Toxicant – 6.8B		
Health Effects:	Suspected of damaging fertility or the unborn child.		
Classification:	STOT-RE – 6.9B		
Health Effects:	May cause damage to organs through prolonged or repeated exposure.		
Acute Aspiration Toxicity	Not Classified		
Respiratory Sensitisation	Not Classified		
Skin Sensitisation	Not Classified		
Mutagenic	Not Classified		
Carcinogenic	Not Classified		
STOT-SE	Not Classified		
Toxicity Data			
Product Acute Toxicity Estimate			
ORAL LD50 - 6.1E: >2000 - ≤5000 mg/kg			
DERMAL LD50 - 6.1E: >2000 - ≤5000 mg/kg			
INHALATION LC50 (vapours) – 6.1E: >20 mg/L/4H			
Ingredient:	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 mg/L/4H
Xylene	1590 – Mouse	1100	27.6 – Vap - Rat
12. Ecological Information			
This product is classified as Ecotoxic according to the criteria of HSNO.			
Toxic to aquatic life. Harmful to terrestrial vertebrates.			
Ecotoxicity Data - CCID			
Product Calculated Aquatic Ecotoxicity – L(E)C50 mg/L			
9.1D: >1 - ≤10			
Xylene – Ecotoxic data			
FISH			
SPECIES: Oncorhynchus mykiss Rainbow trout, donaldson trout			
TYPE OF EXPOSURE: Static			
DURATION: 96 hr			
ENDPOINT: LC50 (Mortality)			
VALUE: 3300ug/l (= 3.3 mg/l)			
REFERENCE SOURCE: Ref No: 6797. Mayer, F.L.J., and M.R. Ellersieck, Publication Year: 1986, Title: Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals. Resour.Publ.No.160, U.S.Dep.Interior, Fish Wildl.Serv., Washington, DC :505, [ECOTOX			

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<p>CRUSTACEAN SPECIES: Palaemonetes pugio (Crustacea) TYPE OF EXPOSURE: DURATION: 48 hr ENDPOINT: LC50 VALUE: 8500ug/l (= 8.5mg/l) REFERENCE SOURCE: TOTAL PARIS LA DEFENSE (52). [IUCLID 2000]</p>	
<p>ALGAL SPECIES: Skeletonema costatum (Algae) TYPE OF EXPOSURE: DURATION: 72 hr ENDPOINT: LC50 VALUE: 10000 µg/l (= 10mg/l) REFERENCE SOURCE: TOTAL PARIS LA DEFENSE (54). [IUCLID 2000]</p>	
Persistence & Degradability	Rapidly Degradable: Yes BIODEGREDATION: Readily degradable = Yes [N-CLAS]
Mobility	No data
Bioaccumulative Potential	Biocumulative: No BCF: 21 [N-CLASS]
Other – 9.3 classification	SPECIES: Mouse ENDPOINT: LD50 VALUE: 1590 mg/kg REFERENCE SOURCE: Hayes, W.J., Jr., E.R. Laws, Jr., (eds.). Handbook of Pesticide Toxicology. Volume 2. Classes of Pesticides. New York, NY: Academic Press, Inc., 1991. 643]**PEER REVIEWED [HSDB]
13. Disposal Considerations.	
Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.	
14. Transportation Information.	
Regulated for transport UN Number: Proper Shipping Name: Class: Packing Group: Hazchem: Marine Pollutant:	Keep separated from foodstuffs 1999 TARS, LIQUID mixture 3 III 3Y No
	



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15. Regulatory Information.	
Group Standard:	HSR002662 Surface Coatings & Colorants - Flammable
HSNO CONTROLS	
SDS required when any quantity is present in a workplace.	
At least 2 x 4.5kg powder fire extinguishers required when >500L is present in a workplace.	
Emergency Response Plan and Secondary Containment required when >1000L is present in a workplace	
Flammable signage required when >1000L is stored.	
Toxic signage required when >10,000L is stored.	
(Class 3.1C) Hazardous Substances Location Compliance Certificate required for:	>500L (closed containers >5L) >1500L (closed containers up to 5L) >250L (open containers)
(Class 3.1C) Hazardous Atmosphere Zone required for:	>100L (closed containers) >25L (decanting) >5L (open occasionally) >1L (open containers in continuous use)
Certified Handler	Not Required
Tracking	Not Required
All ingredients are on the New Zealand Inventory of Chemicals (NZIoC), or exempt.	
Any existing national regulations on the handling of dangerous substances should be observed. Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to take into account aggregate quantities. Contact a WorkSafe approved Compliance Certifier for further information and guidance.	
16. Other Information.	
HSNO = Hazardous Substances and New Organisms Act. EPA = Environmental Protection Authority CCID = Chemical Classification and Information Database (EPA) NZ WES = New Zealand Work Exposure Standard TWA = Time Weighted Average STEL = Short Term Exposure Limit Date of SDS Preparation: 19 October 2020	

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.