

Safety Data Sheet
according to WHS Regulations

Printing date 05.04.2018

Revision: 05.04.2018

1 Identification

Product Name: DEKTITE NU-LEAD - BLACK EPDM

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Roof flashing.

Details of Manufacturer or Importer:

Deks Industries Pty Ltd
5/841 Mountain Highway
Bayswater
Victoria 3153
Australia

Phone Number: +61 3 8727 8800

Emergency telephone number: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

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



health hazard

Toxic To Reproduction 1A H360 May damage fertility or the unborn child.

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.



environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



Acute Toxicity (Oral) 4 H302 Harmful if swallowed.

Signal Word Danger

Hazard Statements

H302 Harmful if swallowed.

H360 May damage fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

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.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

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

P314 Get medical advice/attention if you feel unwell.

P330 Rinse mouth.

P391 Collect spillage.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

Additional Information

This product is a solid article and is unlikely to present any hazards during normal conditions of use. However, if this product decomposes hazardous substances may be released.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

7439-92-1	Lead ☠ Toxic To Reproduction 1A, H360; STOT RE 1, H372; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☠ Acute Toxicity (Oral) 4, H302	>50%
1333-86-4	Carbon black ☠ Self-heat. 2, H252	22.9%
1332-58-7	Kaolin	20 - 23%
1314-13-2	Zinc oxide ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	1.5 - 1.7%
13463-67-7	Titanium oxide (TiO ₂)	0.2 - 1.15%
14808-60-7	Quartz (SiO ₂) ☠ Carcinogenicity 1A, H350; STOT RE 1, H372	0.02 - 0.458%
7704-34-9	Sulphur ☠ Skin Corrosion/Irritation 2, H315	0.3%
137-26-8	Thiram ☠ STOT RE 2, H373; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; Skin Sensitisation 1, H317	0.19 - 0.2%

Additional information:

The value for quartz represents the total amount, not the respirable fraction.

The following note applies to paraffin oils (petroleum), catalytic dewaxed light (CAS No. 64742-71-8):

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London.

4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

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Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Inhalation is considered an unlikely route of exposure. However, dusts or fumes may cause respiratory irritation and may result in lead poisoning.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: If swallowed may present a choking hazard. Lead is harmful if swallowed.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and lead fumes.

Product is not readily combustible, but may burn in a fire. Dusts may form explosive mixtures in air.

Material close to fire should be removed if safe to do so.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear suitable protective clothing. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Pick up large pieces and clean up small pieces and dust with a vacuum or by sweeping.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area.

Keep away from oxidising agents and acids. Lead reacts with hot nitric acid, sulphuric acid, hydrochloric acid and peroxides. Store away from foodstuff.

Avoid temperatures above 500 °C.

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8 Exposure Controls and Personal Protection

Exposure Standards:	
7439-92-1 Lead	
WES	TWA: 0.15 mg/m ³
1333-86-4 Carbon black	
WES	TWA: 3 mg/m ³
1332-58-7 Kaolin	
WES	TWA: 10 mg/m ³
1314-13-2 Zinc oxide	
WES	STEL: 10** mg/m ³ TWA: 10* 5** mg/m ³ *dust **fume
13463-67-7 Titanium oxide (TiO₂)	
WES	TWA: 10 mg/m ³
14808-60-7 Quartz (SiO₂)	
WES	TWA: 0.1 mg/m ³ respirable dust
137-26-8 Thiram	
WES	TWA: 1 mg/m ³ Sen

Engineering Controls: Natural ventilation should be adequate under normal use conditions.

Respiratory Protection:

Respiratory protection is not required under normal use conditions.

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Skin protection is not required under normal use conditions.

Sensitive individuals may need to wear suitable gloves and protective clothing. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection: Eye protection is not required under normal use conditions.

9 Physical and Chemical Properties

Appearance:

Form:	Solid article consisting of a black EPDM boot joined to a lead sheet.
Colour:	Black (boot), grey (lead sheet).
Odour:	No information available
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	327 °C (Lead)
Initial Boiling Point/Boiling Range:	>1700 °C (Lead)

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Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable.
Relative Density:	11.3 (Lead)
Vapour Density:	Not applicable.
Evaporation Rate:	Not applicable
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: No further relevant information available.

Incompatible Materials:

Oxidising agents and acids. Lead reacts with hot nitric acid, sulphuric acid, hydrochloric acid and peroxides.

Hazardous Decomposition Products: Oxides of carbon and lead fumes.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:		
1333-86-4 Carbon black		
Oral	LD ₅₀	>5,000 mg/kg (rat)
Dermal	LD ₅₀	>3,000 mg/kg (rabbit)
1332-58-7 Kaolin		
Oral	LD ₅₀	>5,000 mg/kg (rat)
1314-13-2 Zinc oxide		
Oral	LD ₅₀	>5,000 mg/kg (rat)
13463-67-7 Titanium oxide (TiO₂)		
Oral	LD ₅₀	>20,000 mg/kg (rat)
Dermal	LD ₅₀	>10,000 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	>6.82 mg/l (rat)
7704-34-9 Sulphur		
Oral	LD ₅₀	>2,000 mg/kg (rat)
Dermal	LD ₅₀	>2,000 mg/kg (rat)
Inhalation	LC ₅₀	5.43 mg/l (rat)
137-26-8 Thiram		
Oral	LD ₅₀	560 mg/kg (rat)
Dermal	LD ₅₀	2,000 mg/kg (rat)

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Acute Health Effects**Inhalation:**

Inhalation is considered an unlikely route of exposure. However, dusts or fumes may cause respiratory irritation and may result in lead poisoning.

Skin: May cause skin irritation.

Eye: May cause eye irritation.

Ingestion: If swallowed may present a choking hazard. Lead is harmful if swallowed.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Silica dust, crystalline, in the form of quartz or cristobalite is classified by IARC as Group 1 - Carcinogenic to humans.

Lead, carbon black and titanium dioxide are classified by IARC as Group 2B - Possibly carcinogenic to humans.

Thiram and polyethylene are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: May damage fertility or the unborn child.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Causes damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Very Toxic to aquatic life with long lasting effects.

1333-86-4 Carbon black

LC ₅₀ /96 h	>1,000 mg/l (brachydanio rerio)
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1314-13-2 Zinc oxide

LC ₅₀ /96 h	2,246 mg/l (fathead minnow)
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13463-67-7 Titanium oxide (TiO₂)

LC ₅₀ /48 h	>100 mg/l (daphnia)
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Persistence and Degradability: No further relevant information available.

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.

Other adverse effects: No further relevant information available.

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13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 Regulatory Information

Australian Inventory of Chemical Substances:

25038-36-2	Ethylene, propylene, ethylenenorbornene terpolymer
1333-86-4	Carbon black
1332-58-7	Kaolin
64742-71-8	Paraffin oils (petroleum), catalytic dewaxed light
1314-13-2	Zinc oxide
13463-67-7	Titanium oxide (TiO ₂)
14808-60-7	Quartz (SiO ₂)
120-78-5	Di(benzothiazol-2-yl) disulphide
26780-96-1	2, 2, 4-trimethyl-1, 2-dihydroquinoline polymer
7704-34-9	Sulphur
57-11-4	Octadecanoic acid
136-23-2	Zinc bis(dibutyldithiocarbamate)
137-26-8	Thiram
9002-88-4	Ethene, homopolymer
103-34-4	Di(morpholin-4-yl)disulfide
1309-48-4	Magnesium oxide
16219-75-3	5-ethylidene-8,9,10-trinorborn-2-ene
8042-47-5	White mineral oil, petroleum
68439-50-9	Linear C12- and C14-alkyl alcohols, ethoxylated
7732-18-5	Water
25322-68-3	Polyethylene glycol
120-78-5	Di(benzothiazol-2-yl) disulphide
7439-92-1	Lead

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

16 Other Information

Date of Preparation or Last Revision: 05.04.2018

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Prepared by: MSDS.COM.AU Pty Ltd

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Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Self-heat. 2: Self-heating substances and mixtures, Hazard Category 2

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

Carcinogenicity 1A: Carcinogenicity – Category 1A

Toxic To Reproduction 1A: Reproductive toxicity – Category 1A

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

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