



Noble Earth Technologies

Duro Restore

MATERIAL SAFETY DATA SHEET

COMPANY DETAILS

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Not classified as hazardous according to the criteria of NOHSC Australia.

I IDENTIFICATION

Product Name: Noble Earth Technologies Duro Restore
Other Names: None
UN No: None allocated. Hazchem Code: None allocated.
Dangerous Goods Class: None allocated.
Sub Risk Class: No Subsidiary Risk.
Packaging Group: None allocated. EPG: None allocated.
Poison Schedule: Not Scheduled.
Product Type: Silicone formulation.
Chemical Family: Silicone emulsion in water.
Uses: Polish/protector.

Physical appearance & Properties:

Appearance & Odour: White emulsion. Mild odour
Melting/softening point: Approx 0°C
Boiling point and vapour pressure: Approx 100°C, 100kPa
Volatile materials: Water component.
Flashpoint: Does not burn.
Specific gravity: Approx 1.0
Solubility in water: Completely soluble.
Corrosiveness: Not corrosive.

Ingredients:

Chemical entity	CAS No	Proportion %	Worksafe Exposure Limits	
			TWA mg/m3	STEL mg/m3
Dimethyl polysiloxane	63148-62-9	20-50	not set	not set
Water	7732-18-5	to 100	not set	not set

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

II HEALTH HAZARD DATA

Health Effects:

No specific data is available for the product for chronic exposure symptoms. This product is not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

Acute Effects:

Swallowed: Data suggests that the product should be considered to be non toxic by ingestion.

Eye: Data suggests that this product should be classified as possibly irritating to the eyes.

Skin: Data suggests that the product should be classified as not irritating or harmful to the skin.

Inhalation: Data suggests that the product should be considered to be non irritating and non toxic by inhalation.

Primary route of exposure is inhalation and skin and eye contact.

First Aid:

If in mouth, thoroughly wash mouth with water, then give some water to drink. Further measures should not be necessary.

Eye: If this product comes into contact with eyes, hold open and wash with running water.

Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained.

Skin: If this product comes into contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again.

Inhalation: If mists, dusts or combustion products are inhaled, remove to fresh air. Lay victim down & keep warm and rested. If breathing is shallow, or has stopped, ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately.

Advice to doctor: Treat symptomatically. Note the nature of this product.

III PRECAUTIONS FOR USE

Exposure Standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for this product. There is a blanket recommendation of 10mg/m³ for inspirable dusts or mists when limits have not otherwise been established.

The nature of this product makes it unlikely that this level will be approached in normal use. See ingredients section on page 1 of this data sheet.

Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high; you are advised to modify the process or environment to reduce the problem.

Personal Protection:

The following instructions are meant for people coming into frequent and lengthy contact with this product. For occasional use, take precautions suitable for the conditions under which the product is being used.

Respiratory Protection: None normally required.

Protective Gloves: Rubber, PVC or other protective gloves are not necessary but are desirable, especially if product is being used frequently or for lengthy periods. For help in selecting suitable gloves consult AS 2161.

Eye Protection: None normally required.

Clothing: Clean overalls should be worn, preferably with an apron. Consult AS 2919 for advice on Industrial Clothing.

Safety Boots: Wearing safety boots is advisory. Consult AS/NZS 2210 for advice on Occupational Protective Footwear.

Flammability Limits: Does not burn.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

IV SAFE HANDLING INFORMATION

Storage & Transport:

No special storage and transport requirements. This material has no UN Classification.

Not a Scheduled Poison. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with products listed under "Materials to avoid" below.

Spills and disposals:

In event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Absorb onto vermiculite or other absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area, preventing runoff from entering drains. This material may be suitable for approved landfill. Dispose of only in compliance with local, state and federal regulations. Slippery on floors, especially when wet. Launder all contaminated clothing before re-use.

Fire/Explosion Hazard:

There is no explosion hazard from this material under normal circumstances.

Flashpoint: Does not burn.

Extinguishing Media: Use media suited to burning material.

Special Fire fighting procedures: As a minimum, wear overalls, goggles and gloves.

Unusual fire & Explosion hazards: Decomposition products not known to be hazardous. There is little or no risk of an explosion from this product if involved in a fire.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: May decompose to form carbon dioxide and silica. Likely to decompose only after heating to dryness, followed by further strong heating.

Materials to avoid: No particular incompatibilities.

V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

National Poisons Information Centre: Dial 13 1126 (from anywhere in Australia)

This MSDS prepared by Kilford & Kilford Pty Ltd, March, 2005
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