

MSDS

Cableguard™ Walk Surface Top Coat



The D.S. Brown Company
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1. Identification of the substance and company

Preparation/Product Name: Hypalon Coating
Product Code: M-103-0745
Intended Use: Cableguard™ Walk Surface Topcoat
Application Method: Consult Product Installation Manual
Company Name: The D. S. Brown Company
300 E. Cherry Street
North Baltimore, OH 45872
Telephone Number: (419) 257-3561
24 hour Emergency Telephone No.: 703-527-3887 (CHEMTREC International)

2. Composition/information on ingredients

This product contains the following substances that present a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC and the Chemicals (Hazard Information and Packaging for Supply) Regulations SI/3247/1994 or have occupational exposure limits detailed in EH40.

Ingredient	CAS Number	Concentration	Label Symbol(s)	Risk Phrases(*)
Perchloroethylene	127-18-4	68 %	N, Xn	R40, R51/53
Xylene	1330-20-7	3 %	Xn	R10,20/21,38

*The full texts of the phrases are shown in section 16.

3. Hazards identification

Flammable.

Further information is given in section 11.

4. First aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration and seek medical attention.

Eye Contact

Immediately flush eyes with large amounts of water for at least 15 minutes. See medical attention.



Skin Contact

Remove contaminated clothing. Wash skin thoroughly with soap and water.

Ingestion

Obtain a physician immediately.

5. Fire-fighting measures

Recommended extinguishing media: foam, "alcohol" foam, CO², dry chemical or water.

Firefighters must wear self-contained respiratory equipment. Cool sealed containers with water spray to prevent boilover, which may occur when temperature of material approaches boiling point of solvent.

Spills or leaks will readily form flammable mixtures at temperatures at or above the flash point. It is unlikely that this product will explode due to mechanical impact, but fire or explosion may occur from static accumulation and discharge.

6. Accidental release measures

Keep people away. Ventilate enclosed spaces and avoid breathing vapors. Recover free liquid and cover with absorbent material. Collect for disposal into closed metal containers with non-sparking tools.

Do not dump into sewer, on ground or any body of water. Dispose according to applicable environmental regulations.

Take personal protective measures listed in section 8.

7. Handling and storage

Handling

This coating contains solvents. Areas of storage, preparation and application should be ventilated to prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentrations higher than the occupational exposure limits.

Storage

Store in a cool, dry place. Vapors from this product are heavier than air and will collect in low areas.

Use

Avoid eye and skin contact. Avoid inhalation of vapors. Observe label precautions. Use personal protective equipment as outlined in section 8.

8. Exposure controls and personal protection

Engineering Measures

Use mechanical ventilation to maintain concentrations below exposure limits.



Exposure Limits

The following occupational exposure limits have been established by the Health and Safety Executive as published in EH40.

Material	Short term (15 min. avg)		Long term (8hr time weighted avg)	
	ppm	mg/m ³	ppm	mg/m ³
Perchloroethylene	150	1000	50	335
Xylene	100	442	50	221 Sk

Sk = There is a risk of absorption through unbroken skin

Personal Protection

Respiratory Protection

When concentration exceed the exposure limits show above, workers must wear appropriate respirators approved in accordance with Directive 89/656/EEC and the Personal Protection Equipment Regulations. Use organic vapor cartridges with mechanical filter under ordinary conditions of use. In confined spaces, poorly ventilated areas or under spray application conditions, air supplied respirators or self-contained breathing apparatus may be required.

Eye Protection

Wear safety eyewear, e.g. safety spectacles with side shields, or goggles when there is risk of liquid splash.

Hand Protection

Wear appropriate solvent resistant gloves during application.

Skin Protection

Cover areas that could be exposed to splash or spill. Change contaminated clothing immediately. Wash hands and face prior to eating, drinking, or smoking.

9. Physical and chemical properties

Physical State:	Liquid
Odor:	Solvent
Flash Point (deg C):	27° C TCC
Boiling Point:	138-144° C
Percent volatile by volume:	75 ± 2
VOC:	247 g/l
Weight per Gallon:	13.2 ± 0.5 lbs
Vapor Density:	Heavier than air
Solubility in Water:	Negligible
Evaporation Rate:	Slower than ether

10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7.) Involvement in fire may produce hydrogen chloride and small amounts of phosgene and chlorine. Incomplete combustion may produce carbon monoxide and/ or carbon dioxide. Hazardous polymerization will not occur.

Avoid contact with heat, sparks and open flame. Incompatible with water. Slow hydrolysis produces corrosive acid. Avoid strong oxidizing agents.



11. Toxicological information

Health Hazards (acute and chronic): Irritation, central nervous system depression and organic injury possible from repeated or prolonged use or inhalation of high concentrations of vapors. The inhalation of high concentrations of vapors may cause death. Studies indicate that perchloroethylene is an animal carcinogen. Studies indicate that perchloroethylene is a probably human carcinogen. Keep exposure to lowest feasible concentration. Material may be harmful or fatal if swallowed. Vapor harmful. Skin contact can cause severe irritation, defatting and dermatitis. Eye contact causes severe irritation, redness, tearing and blurred vision. **WARNING: this product contains perchloroethylene, a chemical known to the state of California to cause cancer.**

Medical conditions aggravated by exposure: Chronic skin exposure may produce defatting and dermatitis. Eye contact may cause conjunctivitis. Long term exposure to low vapor concentrations may cause chronically progressive pulmonary disease.

12. Ecological information

There are no data available on this product.

The product should not be allowed to enter drains or water courses.

13. Disposal considerations

Do not allow into drains or water courses. Wastes and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

14. Transport information

Transport only in accordance with the following regulations:

IATA

Proper Shipping Name/Description	Hazard Class	Label	UN Number	Packing Group
Paint related material	3	Flammable Liquid	1263	III

15. Regulatory Information

In accordance with EC Directive 88/379/EEC and the Chemicals (Hazard Information and Packaging for Supply) Regulations SI/3247/1994 this product is labeled as follows:

Symbol(s)

Flammable substances (F)

Environmentally dangerous substances (N)

Harmful substances (Xn)

R. Phrases:

Flammable

Harmful by inhalation and in contact with skin

Irritating to skin

Limited evidence of a carcinogenic effect



Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S. Phrases:

- Keep away from sources of ignition
- Avoid contact with skin and eyes
- Do not empty into drains
- Take precautionary measures against static discharge
- Keep out of the reach of children
- Do not breathe gas/fume/vapor/spray
- Wear suitable protective clothing and gloves
- Avoid release to the environment

16. Other information

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It is the user's responsibility to determine for itself the suitability of any material for a specific purpose, whether alone or in combination with any other products, and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions and methods of use are not under our control, we must necessarily disclaim all warranties of merchantability or fitness for any particular use as well as all liability resulting directly from the use of any material supplied by us. Nothing herein is to be considered as recommending any practice or any product in violation of any patent or in violation of any law or regulation.

R Phrases appearing in section 2:

- R10 Flammable
- R11 Highly Flammable
- R20 Harmful by inhalation
- R20/21 Harmful by inhalation and in contact with skin
- R38 Irritating to skin
- R40 Limited evidence of a carcinogenic effect
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment