

Section 1. Identification

Product Name : 45-1 Cableguard Walk Surface Base Coat (Contact Adhesive)

Relevant Identified Uses of the Substance or Mixture : Adhesive

Supplier : The D.S. Brown Company
300 East Cherry Street
North Baltimore, Ohio 45872

Company Phone Number : 419-257-3561; 419-257-2200/fax

Information Department : Environment protection department

In Case of Emergency : Chemtrec: Day or Night within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

Section 2. Hazards Identification

Classification of the Substance or Mixture :



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.






GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

Section 2. Hazards Identification *cont'd.*

LABEL ELEMENTS

GHS Label Elements	: The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard Pictograms	:    GHS02 GHS07 GHS08
Signal Word	: Danger
Hazard Statements	: Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.
Precautionary Statements	: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see on this label). IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF exposed or concerned: Get medical advice/attention. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Get medical advice/attention if you feel unwell. Do NOT induce vomiting. In case of fire: Use for extinction: CO2, powder or water spray.

Section 2. Hazards Identification *cont'd.*

Hazard Statements	: Take off contaminated clothing and wash it before reuse. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international regulations.
Classification System	: NFPA ratings (scale 0 - 4) Health = 2 Fire = 3 Reactivity = 0 HMIS - ratings (scale 0 - 4) Health = 2 Fire = 3 Physical Hazard = 0
Other Hazards	
Results of PBT and vPvB	: PBT: Not applicable.
Assessment	vPvB: Not applicable.

Section 3. Composition/Information on Ingredients

Chemical Characterization	: Mixtures
Description	: Mixture

Hazardous Components:

Chemical Name	CAS No.	Concentration
Naphtha (petroleum), solvent-refined light	64741-84-0	25-50%
acetone	67-64-1	10-25%
toluene	108-88-3	10-25%
magnesium oxide	1309-48-4	≤2.5%
zinc oxide	1314-13-2	≤1.0%

Section 4. First Aid Measures

DESCRIPTION OF FIRST AID MEASURES

After Inhalation	: Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.
After Skin Contact	: Immediately wash with water and soap and rinse thoroughly.

Section 4. First Aid Measures *cont'd.*

After Eye Contact	: Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment.
After Swallowing	: Do not induce vomiting; immediately call for medical help.
Information for Doctor Most Important Symptoms and Effects, Both Acute and Delayed	: No further relevant information available.
Indication of Any Immediate Medical Attention and Special Treatment Needed	: No further relevant information available.

Section 5. Fire-Fighting Measures

EXTINGUISHING MEDIA

Suitable Extinguishing Agents	: CO2, extinguishing powder or water spray. Fight larger fires with water spray. Use fire fighting measures that suit the environment.
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ADVICE FOR FIREFIGHTERS

Firefighters use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Protective Equipment	: Protective clothing and respiratory protective device.
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Section 6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal	: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
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Environmental Precautions	: Do not allow to enter sewers/ surface or ground water.
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METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP

Containment and Clean Up	: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation
Reference to Other Sections	: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 6. Accidental Release Measures *cont'd.*

PROTECTIVE ACTION CRITERIA FOR CHEMICALS

PAC-1

67-64-1	acetone	200 ppm
108-88-3	toluene	67 ppm
1309-48-4	magnesium oxide	30 mg/m ³
1314-13-2	zinc oxide	10 mg/m ³

PAC-2

67-64-1	acetone	3200* ppm
108-88-3	toluene	560 ppm
1309-48-4	magnesium oxide	120 mg/m ³
1314-13-2	zinc oxide	15 mg/m ³

PAC-3

67-64-1	acetone	5700* ppm
108-88-3	toluene	3700* ppm
1309-48-4	magnesium oxide	730 mg/m ³
1314-13-2	zinc oxide	2,500 mg/m ³

Section 7. Handling and Storage

Precautions for Safe Handling : Open and handle receptacle with care.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES

Recommendations : Keep ignition sources away. Do not smoke.
Protect against electrostatic charges.
Keep container closed when not in use.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage

Requirements to Be Met by Storerooms and Receptacles : Store in a cool location away from direct heat.

Information About Storage in One Common Storage Facility Receptacles : Store away from oxidizing agents.

Section 7. Handling and Storage *cont'd.*

FURTHER INFORMATION ABOUT STORAGE CONDITIONS

- Recommendation** : Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- Specific End Use(s)** : No further relevant information available.

Section 8. Exposure Controls/Personal Protection

- Additional Information About Design of Technical Systems** : No further data; see item 7.

- Control Parameters** : **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

67-64-1 acetone

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm Long-term value: 594 mg/m ³ , 250 ppm BEI

108-88-3 toluene

PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV	Long-term value: 75 mg/m ³ , 20 ppm BEI

1309-48-4 magnesium oxide

PEL	Long-term value: 15* mg/m ³ fume; *total particulate
TLV	Long-term value: 75 mg/m ³ , 20 ppm BEI

Section 8. Exposure Controls/Personal Protection *cont'd.*

Control Parameters	:	1314-13-2 zinc oxide
PEL		Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction and fume
REL		Short-term value: 10** mg/m ³ Long-term value: 5 mg/m ³ Ceiling limit value: 15* mg/m ³ *dust only **fume
TLV		Short-term value: 10* mg/m ³ Long-term value: 5 mg/m ³ *as respirable fraction

INGREDIENTS WITH BIOLOGICAL LIMIT VALUES

67-64-1 acetone

BEI 50 mg/L
Medium: urine
Time: end of shift
Parameter: Acetone (nonspecific)

108-88-3 toluene

BEI 0.02 mg/L
Medium: blood
Time: Prior to last shift of workweek
Parameter: Toluene

0.03 mg/L
Medium: urine
Time: end of shift
Parameter: Toluene

0.3 mg/g creatinine
Medium: urine
Time: end of shift
Parameter: o-Cresol with hydrolysis (background)

ADDITIONAL OCCUPATIONAL EXPOSURE LIMIT VALUES FOR POSSIBLE HAZARDS DURING PROCESSING

110-54-3 n-hexane

PEL Long-term value: 1800 mg/m³, 500 ppm

REL Long-term value: 180 mg/m³, 50 ppm

TLV Long-term value: 176 mg/m³, 50 ppm
Skin; BEI

110-82-7 cyclohexane

PEL Long-term value: 1050 mg/m³, 300 ppm



REL Long-term value: 1050 mg/m³, 300 ppm

TLV Long-term value: 344 mg/m³, 100 ppm

Section 8. Exposure Controls/Personal Protection *cont'd.*

142-82-5 heptane

PEL	Long-term value: 2000 mg/m ³ , 500 ppm
REL	Long-term value: 350 mg/m ³ , 85 ppm Ceiling limit value: 1800* mg/m ³ , 440* ppm *15-min
TLV	Short-term value: 2050 mg/m ³ , 500 ppm Long-term value: 1640 mg/m ³ , 400 ppm

- Additional Information** : The lists that were valid during the creation were used as basis.
- Exposure Controls**
- Personal Protective Equipment** : (See listings below.)
- General Protective and Hygienic Measures** : Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.
- Breathing Equipment** : Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.
- Protection of Hands** :  Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Material of Gloves** : Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration Time of Glove Material** : The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye Protection** :  Tightly sealed goggles
Safety glasses with side shields.
- Body Protection** : Protective work clothing.

Section 9. Physical and Chemical Properties

Appearance

Form	: Liquid
Color	: Light yellow
Odor	: Characteristic
Odor Threshold	: Not determined.
pH	: Not determined.

CHANGE IN CONDITION

Melting Point	: Not determined.
Boiling Point	: 55 °C (131 °F)
Flash Point	: -21 °C (-6 °F)
Ignition Temperature	: 465 °C (869 °F)
Auto Igniting	: Product is not self-igniting.
Danger of Explosion	: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

FLAMMABILITY LIMITS

Lower	: 1.2 Vol %
Upper	: 13.0 Vol %
Vapor Pressure at 20 °C (68 °F):	: 233 hPa (175 mm Hg)

SPECIFIC GRAVITY	: 0.861 g/cm ³ (7.185 lbs/gal)
Relative Density	: Not determined.
Vapour Density	: Not determined.
Evaporation Rate	: Not determined.

Solubility in / Miscibility with Water	: Not miscible or difficult to mix.
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VISCOSITY

Dynamic	: Not determined.
Kinematic	: Not determined.

SOLVENT CONTENT

Organic Solvents	: 74.3%
Solid Content	: 28.6%

Other Information	: VOC: = 3.34 lbs/gal Weight per gallon: = 7.17 lbs
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Section 10. Stability and Reactivity

Reactivity	: No further relevant information available.
Possibility of Hazardous Reactions	: No further information is available.
Conditions to Avoid	: Heat, flames, sparks.
Incompatible Materials	: Strong oxidizers, acids, and bases.
Hazardous Decomposition Products	: Carbon monoxide and carbon dioxide

Section 11. Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity	: LD/LC50 values that are relevant for classification:
	108-88-3 toluene
	Oral LD50 5000 mg/kg (rat)
	Dermal LD50 12124 mg/kg (rabbit)
	Inhalative LC50/4 h 5320 mg/l (mouse)
Primary Irritant Effect	: On the skin: Irritant to skin and mucous membranes. On the eye: Causes serious eye irritation. Vapors may be irritating to the eyes.
Sensitization	: No sensitizing effects known
Additional Toxicological Information	: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Irritant

CARCINOGENIC CATEGORIES

IARC (International Agency for Research on Cancer)	: 108-88-3 toluene	3
	9010-98-4 Polychloroprene Polymer	3
NTP (National Toxicology Program)	: None of the ingredients is listed.	
OSHA-Ca (Occupational Safety & Health Administration)	: None of the ingredients is listed.	

Section 12. Ecological Information

TOXICITY

Aquatic Toxicity	: No further relevant information available.
Persistence and Degradability	: No further relevant information available.

BEHAVIOR IN ENVIRONMENTAL SYSTEMS:

Bioaccumulative Potential	: No further relevant information available.
Mobility in Soil	: No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION:

General Notes:	: At present there are no ecotoxicological assessments.
Results of PBT and vPvB Assessment	: PBT: Not applicable. vPvB: Not applicable.
Other Adverse Effects	: No further relevant information available.

Section 13. Disposal Considerations

Waste Treatment Methods

Recommendation : Must be specially treated adhering to official regulations.

Uncleaned Packagings

Recommendation: : Disposal must be made according to official regulations.

Section 14. Transport Information

UN Number : UN1133
DOT, IMDG, IATA

UN Proper Shipping Name
DOT, IMDG, IATA : ADHESIVES

Transport Hazard Classes
DOT :



Class: 3 Flammable liquids.
Label: 3

IMDG, IATA :



Class: 3 Flammable liquids.
Label: 3

Packaging Group

DOT, IMDG, IATA : II

Environmental Hazards : Not applicable.

Special Precautions for User : **Warning: Flammable liquids**

Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code : Not applicable.

UN "Model Regulation" : UN1133, ADHESIVES, 3, II

Section 15. Regulatory Information

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR SUBSTANCE/MIXTURE

SARA

Section 355 (Extremely Hazardous Substances) : None of the ingredients is listed.

Section 313 (Specific Toxic Chemical Listings) : 108-88-3 toluene
1314-13-2 zinc oxide

TSCA (Toxic Substances Control Act) : All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

PROPOSITION 65

Chemicals Known to Cause Cancer: : None of the ingredients is listed.

Chemicals Known to Cause Reproductive Toxicity for Females : None of the ingredients is listed.

Chemicals Known to Cause Reproductive Toxicity for Males : None of the ingredients is listed.

Chemicals Known to Cause Developmental Toxicity : 108-88-3 toluene

(DSL) Canada Domestic Substance List : All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from DSL requirements.

New Jersey Right-to-Know List : 67-64-1 acetone
108-88-3 toluene
1309-48-4 magnesium oxide
1314-13-2 zinc oxide

New Jersey Special Hazardous Substance List : 67-64-1 acetone F3
108-88-3 toluene TE, F3

Pennsylvania Right-to-Know List : 67-64-1 acetone
108-88-3 toluene
1309-48-4 magnesium oxide
1314-13-2 zinc oxide

Pennsylvania Special Hazardous Substance List : 67-64-1 acetone E
108-88-3 toluene E
1314-13-2 zinc oxide E

Section 15. Regulatory Information *cont'd.*

CANCEROGENITY CATEGORIES

EPA (Environmental Protection Agency)	: 67-64-1	acetone	I
	: 108-88-3	toluene	II
	: 1314-13-2	zinc oxide	D, I, II
TLV (Threshold Limit Value established by ACGIH)	: 67-64-1	acetone	A4
	: 108-88-3	toluene	A4
	: 1309-48-4	magnesium oxide	A4
MAK (German Maximum Workplace Concentration)	: None of the ingredients is listed.		
NIOSH-Ca (National Institute for Occupational Safety and Health)	: None of the ingredients is listed.		

NATIONAL REGULATIONS

Water Hazard Class	: Water hazard class 3 (Self-assessment): extremely hazardous for water.
Chemical Safety Assessment	: A Chemical Safety Assessment has not been carried out.

Section 16. Other Information

Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, D.S. Brown Company makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will D.S. Brown Company or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

Department Issuing SDS	: Environment protection department.
Creation Date	: 5/2/2019
Date of Preparation / Last Revision	: 5/2/2019
Abbreviations and Acronyms	: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

Section 16. Other Information *cont'd.*

- : LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit
- BEI: Biological Exposure Limit
- Flam. Liq. 2: Flammable liquids – Category 2
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1