

4151 Universal Pressure Sensitive Adhesive

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 11/20/2017 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : 4151 Universal Pressure Sensitive Adhesive :
Product code : 82040A
Formula : 82040A

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Adhesives, Binding Agents
Recommended use : Adhesives, Sealants

1.3. Supplier

S3 Surface Solutions LLC
1558 Serrano Circle
Naples, Florida 34105

239-877-0824

1.4. Emergency telephone number

Emergency number : 1-800-255-3924 INTERNATIONAL: 001-813-248-0585
Chem-Tel (available 24 hours/day)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Serious eye damage/eye H319 Causes serious eye irritation
Irritation, Category 2

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

According to the corresponding national regulations there is no labeling obligation for this product.

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
2,4,7,8-Tetramethyl-5-decyne-4,7-diol	Proprietary	< 5	Eye Irrit. 2A, H319
dipropylene glycol monomethyl ether	Proprietary	< 5	Flam. Liq. 4, H227 Eye Irrit. 2B, H320
Polyether Siloxane		< 5	Eye Dam. 1, H318

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

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- First-aid measures after skin contact : Wash with plenty of soap and water.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion : Do NOT induce vomiting. Get immediate medical advice/attention.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : All extinguishing media allowed.

5.2. Specific hazards arising from the chemical

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire.
Protection during firefighting : Wear recommended personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ventilate area. No flames, no sparks. Eliminate all sources of ignition. No open flames. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Safety glasses. Protective clothing.
Emergency procedures : Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

6.1.2. For emergency responders

Protective equipment : Protective gloves. Protective clothing. Safety glasses.
Emergency procedures : Stop leak if safe to do so. Cover spill with non-combustible material, e.g.: sand/earth.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Cover spill with non-combustible material, e.g.: sand, earth, vermiculite. Collect spillage.
Methods for cleaning up : Absorbed substance: shovel into drums.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures : Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Always wash hands after handling the product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Maximum storage period : 12 months

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Polyether Siloxane

Not applicable

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2,4,7,8-Tetramethyl-5-decyne-4,7-diol

Not applicable

dipropylene glycol monomethyl ether

ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	100 ppm

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid
Colour	: White
Odour	: Acrylic
Odour threshold	: No data available
pH	: 7-8.5
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93.3 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: > 1.01
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 200-800 cPs
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

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10.5. Incompatible materials

Acids. Oxidizing agent. Strong bases.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. irritating organic vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

dipropylene glycol monomethyl ether	
LD50 oral rat	5135 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg; Rat; Experimental value)
LD50 dermal rat	9500 mg/kg (Rat; Literature study; Equivalent or similar to OECD 402; >19020 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	9500 mg/kg (Rabbit; Literature study)
ATE US (oral)	5135 mg/kg bodyweight
ATE US (dermal)	9500 mg/kg bodyweight

Skin corrosion/irritation : Not classified

pH: 7

Serious eye damage/irritation : Causes serious eye irritation.

pH: 7

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

dipropylene glycol monomethyl ether	
LC50 fish 1	> 10000 mg/l (96 h; Pimephales promelas; GLP)
LC50 other aquatic organisms 1	> 1000 mg/l (96 h; Crangon crangon)
LC50 fish 2	> 150 mg/l (72 h; Pisces)
Threshold limit other aquatic organisms 1	> 1000 mg/l (96 h; Crangon crangon)
Threshold limit algae 1	969 mg/l (72 h; Selenastrum capricornutum; GLP)
Threshold limit algae 2	> 969 mg/l (72 h; Selenastrum capricornutum; GLP)

12.2. Persistence and degradability

dipropylene glycol monomethyl ether	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available. Photolysis in the air.
Biochemical oxygen demand (BOD)	0 g O ₂ /g substance
ThOD	2.06 g O ₂ /g substance
BOD (% of ThOD)	0 % ThOD

12.3. Bioaccumulative potential

dipropylene glycol monomethyl ether	
Log Pow	0.0043 (Experimental value; OECD 102: Melting Point/Melting Range; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

No additional information available

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

4151 Carpet Adhesive

EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
SARA Section 311/312 Hazard Classes	No SARA Hazards

2,4,7,8-Tetramethyl-5-decyne-4,7-diol

EPA TSCA Regulatory Flag	All components of this product are listed on the TSCA Inventory of Chemical Substances or are exempt from listing.
SARA Section 311/312 Hazard Classes	No SARA Hazards

dipropylene glycol monomethyl ether

SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Fire hazard
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15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

dipropylene glycol monomethyl ether

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

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4151 Carpet Adhesive

Components of this product are listed or exempt from listing on the Canadian Domestic Substance List.

2,4,7,8-Tetramethl-5-decyne-4,7-diol

Components of this product are listed or exempt from listing on the Canadian Domestic Substance List.

15.3. US State regulations

2,4,7,8-Tetramethl-5-decyne-4,7-diol

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-statements:

H227	Combustible liquid
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation

NFPA health hazard

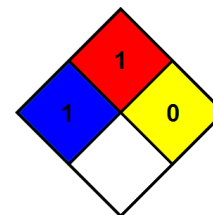
: 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard

: 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



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