



Safety Data Sheet

BOSS® 165 Multi-Seal Fast Grab Landscape Adhesive

Section 1. Identification

Product Identifier	BOSS® 165 Multi-Seal Fast Grab Landscape Adhesive		
Synonyms	04448GY10		
Manufacturer Stock Numbers	04448GY10		
Recommended use	Refer to Technical Information		
Uses advised against	Refer to Technical Information		
Manufacturer Contact Address	Soudal Accumetric 350 Ring Road Elizabethtown, KY, 42701 USA		
	Phone	Emergency Phone	Fax
	(270) 769-3385	(800) 424-9300 CHEMTREC	(270) 765-2412

Section 2. Hazards Identification

Classification	EYE DAMAGE/IRRITATION - Category 2A SENSITIZATION - SKIN - Category 1
Signal Word	Warning
Pictogram	A red diamond-shaped warning pictogram with a black exclamation mark in the center.
Hazard Statements	Causes serious eye irritation May cause an allergic skin reaction

Precautionary Statements

Response	If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Read label before use. Wash contaminated clothing before reuse.
Prevention	Avoid breathing dust/fume/gas/mist/ vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wash thoroughly after handling. Wear eye protection/face protection. Wear protective gloves.
Storage	N/A
Disposal	Dispose of contents/container in accordance with local/regional/national /international regulations

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

Other hazards None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
26761-40-0	Diisodecyl phthalate	1 %
64742-46-7	Distillates (petroleum), hydrotreated middle	1% - 5%
13463-67-7	Titanium Dioxide	1% - 5%
	Micronised Wax	1% - 5%
2768-02-7	Vinyltrimethoxysilane	1% - 5%
22673-19-4	Dibutyltin Diacetyldiacetonate	1% - Max
1760-24-3	N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane	1% - Max
	Silyl Terminated Polyether	30% - 35%
471-34-1	Calcium Carbonate	50 %

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Description of Necessary Measures If exposed or concerned: Get medical advice/attention.

Inhalation IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Skin	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Eyes	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	If a large amount is swallowed, get medical attention.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically and supportively.
Most Important Symptoms/Effects	Acute: Causes serious eye irritation. Delayed: May cause allergic skin reaction.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use appropriate media for extinction.
Unsuitable Extinguishing Media	None known
Special Hazards Arising from the Chemical	Negligible fire hazard.
Hazardous Combustion Products	Oxides of carbon, oxides of calcium, hydrogen chloride
Special Protective Equipment and Precautions for Firefighters	Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure. Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Dike for later disposal.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Keep unnecessary people away, isolate hazard area and deny entry. Wear personal protective clothing and equipment.
Methods and Materials for Containment and Cleaning Up	Collect spilled material using mechanical equipment. Do not spray on an open flame or other ignition sources. Stop leak if possible without personal risk. Only personnel trained for the hazards of this material should perform clean up and disposal.
Environmental Precautions	Toxic to aquatic life. Avoid release to the environment. Do not flush into sanitary sewer systems, drains or surface water.

Section 7. Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Provide adequate ventilation. Wash thoroughly after handling. Use recommended personal protective equipment.
Conditions for Safe Storage, Including any Incompatibilities	None needed according to classification criteria. Keep away from incompatible materials.
Incompatible Materials	Oxidizing materials, bases, combustible materials, strong acids, strong bases

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Diisodecyl phthalate	N/A	N/A	N/A
	Distillates (petroleum), hydrotreated middle	5 mg/m3	5 mg/m3	10 mg/m3
	Titanium Dioxide	TWA: 10 mg/m3	TWA: 15 mg/m3 total dust	N/A
	Micronised Wax	N/A	N/A	N/A
	Vinyltrimethoxysilane	N/A	N/A	N/A
	Dibutyltin Diacetyldiacetonate	N/A	N/A	N/A
	N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane	N/A	N/A	N/A
	Silyl Terminated Polyether	N/A	N/A	N/A
	Calcium Carbonate	10 mg/m3	5 mg/m3	N/A
Personal Protective Equipment	Goggles, Gloves			
Biological limit value	There are no biological limit values for any of this product's components.			
Engineering Controls	Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.			
Eye/face protection	Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.			
Skin protection	Wear appropriate chemical resistant clothing.			
Respiratory Protection	A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.			
Glove recommendations	Wear appropriate chemical resistant gloves.			

Section 9. Physical and Chemical Properties

Physical State	Paste
Color	Gray
Odor	Typical
Odor Threshold	Not available
Solubility	Not available
Partition coefficient Water/n-octanol	Not available
VOC%	N/A
Viscosity	Not available
Specific Gravity	1.6
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	Not available
FP Method	N/A

Ph	Not available
Melting Point	Not available
Boiling Point	Not available
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not available
Flammability	Not available
Decomposition Temperature	Not available
Auto-ignition Temperature	Not available
Vapor Pressure	Not available
Vapor Density	Not available

Note The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

Reactivity	Unlikely to occur.
Chemical Stability	Stable under normal conditions of use.
Possibility of Hazardous Reactions	Unlikely to occur.
Conditions to Avoid	Avoid contact with incompatible materials. Avoid heat, flames, sparks and other sources of ignition.
Incompatible Materials	Oxidizing materials, bases, combustible materials, strong acids, strong bases
Hazardous decomposition products	Oxides of carbon, oxides of calcium, hydrogen chloride

Section 11. Toxicological Information

Information on Likely Routes of Exposure	Inhalation: No information on significant adverse effects. Skin Contact: May cause allergic skin reaction. Eye Contact: Causes serious eye irritation. Ingestion: No information on significant adverse effects.
Component Analysis - LD50/LC50	The components of this material have been reviewed in various sources and the following selected endpoints are published: Precipitated Calcium carbonate (471-34-1) Oral LD50Rat 6450 mg/kg Titanium dioxide(inbound in mixture) (13463-67-7) Oral LD50Rat >10000 mg/kg Distillates (petroleum), hydrotreated middle (64742-46-7) Oral LD50Rat 7400 mg/kg Dermal LD50Rabbit >2000 mg/kg Inhalation LC50Rat 4.6 mg/L 4 h Diisodecyl phthalate (26761-40-0)

	Oral LD50Rat 64 g/kg Dermal LD50Rabbit >3160 mg/kg Inhalation LC50Rat >12.54 mg/L 4 h
Immediate Effects	Causes serious eye damage.
Delayed Effects	May cause allergic skin reaction.
Irritation/Corrosivity Data	Causes serious eye irritation.
Respiratory Sensitization	No data available.
Dermal Sensitization	No data available.
Component	Titanium dioxide(inbound in mixture) 13463-67-7
Carcinogenicity	ACGIH: A4 - Not Classifiable as a Human Carcinogen IARC: Monograph 93 [2010]; Monograph 47 [1989](Group 2B (possibly carcinogenic to humans)) DFG: Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles) OSHA: Present
	Dibutyltin Diacetyldiacetonate 22673-19-4 ACGIH: A4 - Not Classifiable as a Human Carcinogen (related to Tin organic compounds)
	Diisodecyl phthalate 26761-40-0 DFG: Category 3B (could be carcinogenic for man)
Germ Cell Mutagenicity	No data available.
Reproductive Toxicity	No data available.
Specific Target Organ Toxicity	Single Exposure: eyes Repeated Exposure: No information on significant adverse effects.
Aspiration hazard	No information available for the product.
Medical conditions aggravated by exposure	eye disorders, skin disorders

Section 12. Ecological Information

Component Analysis - Aquatic Toxicity	Distillates (petroleum), hydrotreated middle 64742-46-7 Fish: LC50 96 h Pimephales promelas 35 mg/L [flow-through]; LC50 96 h Pimephales promelas >10000 mg/L [static]
	Diisodecyl phthalate 26761-40-0 Fish: LC50 96 h Lepomis macrochirus >0.55 mg/L [static]; LC50 96 h Pimephales promelas >1 mg/L [flow-through] Algae: EC50 72 h Desmodesmus subspicatus >500 mg/L IUCLID; EC50 96 h Pseudokirchneriella subcapitata >0.8 mg/L [static] EPA Invertebrate: EC50 48 h Daphnia magna >0.02 mg/L [static] EPA

Section 13. Disposal

Disposal Methods	Dispose of contents/container in accordance with local/regional/national /international regulations.
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Section 14. Transport Information

UN Number N/A
UN Proper Shipping Name Not regulated
DOT Classification Not regulated
Packing Group Not regulated
TDG Information: UN#: Not Regulated

Section 15. Regulatory Information

U.S. Federal Regulations None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C) Acute Health: Yes
Chronic Health: Yes
Fire: No
Pressure: No
Reactivity: No

U.S. State Regulations The following components appear on one or more of the following state hazardous substances lists:
Precipitated Calcium carbonate 471-34-1: MA MN NJ PA
Titanium dioxide(inbound in mixture) 13463-67-7: MA MN NJ PA
Dibutyltin Diacetyldiacetonate 22673-19-4: CA MN
Diisodecyl phthalate 26761-40-0: CA PA

The following statement(s) are provided under the California Safe Drinking Water WARNING!This product contains a chemical known to the state of California to cause cancer
Titanium dioxide(inbound in mixture) 13463-67-7
Carc: carcinogen , initial date 9/2/11 (airborne, unbound particles of respirable size)

WARNING!This product contains a chemical known to the state of California to cause reproductive/developmental effects.
Diisodecyl phthalate 26761-40-0
Repro/Dev. Tox developmental toxicity , initial date 4/20/07

Section 16. Other Information

Revision Date 2/16/2017

Disclaimer The data contained herein is based upon information that Soudal Accumetric believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.