



Safety Data Sheet

BOSS® 638 Subfloor Adhesive Gun Grade

Section 1. Identification

Product Identifier BOSS® 638 Subfloor Adhesive Gun Grade
Synonyms 63824
Manufacturer Stock Numbers 144385

Recommended use Refer to Technical Information
Uses advised against Refer to Technical Information

Manufacturer Contact
Address

Soudal
350 Ring Road
Elizabethtown, KY, 42701
USA

Phone
(270) 769-3385

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(270) 765-2412

Section 2. Hazards Identification

Classification CARCINOGENICITY - Category 2
FLAMMABLE AEROSOLS - Category 1
GASES UNDER PRESSURE - Liquefied gas
SENSITIZATION - RESPIRATORY - Category 1
SERIOUS EYE DAMAGE /EYE IRRITATION - Category 2A
SKIN CORROSION/IRRITATION - Category 3
SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3

Signal Word Danger

Pictogram



Hazard Statements

Causes mild skin irritation
Causes serious eye irritation
Contains gas under pressure; may explode if heated
Extremely flammable aerosol
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause respiratory irritation; or May cause drowsiness or dizziness
Suspected of causing cancer (state route of exposure if no other routes of exposure cause the hazard)

Precautionary Statements

Response

Call a poison center or doctor if you feel unwell.
If experiencing respiratory symptoms: Call a poison center/doctor/ ...
If exposed or concerned: Get medical advice/attention.
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 inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If skin irritation occurs: Get medical advice/attention.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.
Do not handle until all safety precautions have been read and understood.
Do not spray on an open flame or other ignition source.
In case of inadequate ventilation wear respiratory protection.
Keep away from heat.
Obtain special instructions before use.
Pressurized container: Do not pierce or burn, even after use.
Use only outdoors or in a well-ventilated area.
Wash thoroughly after handling.
Wear eye protection/face protection.
Wear protective gloves/protective clothing/eye protection/face protection.

Storage

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Protect from sunlight. Store in a well-ventilated place.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal

Dispose of contents/container to Dispose of contents/container in accordance with local, regional, national and international regulations.

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Other Hazards

Persons already sensitized to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product is not to be used under conditions of poor ventilation. Gas/vapor spreads at floor level: Ignition hazard.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
13674-84-5	2-Propanol, 1-chloro-, phosphate (3:1)	1% - 20%
25791-96-2	Glyceryl polypropylene glycol triether	1% - 20%
75-28-5	Isobutane	1% - 10%
115-10-6	Dimethyl ether	1% - 10%
74-98-6	Propane	1% - 10%
78-40-0	Triethyl phosphate	1% - 10%
101-68-8	4,4'-Diphenylmethane diisocyanate	> 25 %
9016-87-9	Polymeric diphenylmethane diisocyanate	> 25 %

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

Section 4. First-Aid Measures

Inhalation

Remove victim from exposure area to fresh air. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Skin Contact

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. If eye irritation persists: Get medical attention.

Ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Get medical advice if you feel unwell.

Most Important Symptoms/Effects

Acute
dry throat, sore throat Irritation to respiratory tract. May cause irritation of mucous membranes, runny nose, skin irritation, eye irritation, lacrimation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness.

Delayed

Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure: liver, thyroid gland.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically and supportively.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	ABC-powder, BC-powder
Unsuitable Extinguishing Media	CO2, water, foam
Special Hazards Arising from the Chemical	On burning: Releases toxic and/or corrosive gases. Extremely flammable aerosol. Pressurized container: may burst if heated.
Hazardous Combustion Products	Phosphorus oxides, nitrous vapors, hydrogen chloride, carbon monoxide, carbon dioxide
Fire Fighting Measures	Move container from fire area if it can be done without risk. Damaged cylinders should be handled only by specialists. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out. Do not direct water at source of leak or safety devices; icing may occur. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. ALWAYS stay away from tanks engulfed in fire.
Special Protective Equipment and Precautions for Firefighters	Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Wear personal protective clothing and equipment, see Section 8.
Methods and Materials for Containment and Cleaning Up	Do not touch or walk through spilled material. Stop leak if you can do it without risk. Do not direct water at spill or source of leak. Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. If possible, turn leaking containers so that gas escapes rather than liquid. Prevent entry into waterways, sewers, basements, or confined areas. Allow substance to evaporate. Ventilate the area.
Environmental Precautions	Avoid release to the environment.

Section 7. Handling and Storage

Precautions for Safe Handling	Vapors are heavier than air. Observe good hygiene and safety practices when handling this product. Remove contaminated clothing and shoes immediately. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flame/hot surfaces - No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition sources. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wear respiratory protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Do not eat, drink or smoke when using this product.
Conditions for Safe Storage, Including any	Store in a well-ventilated place. Keep container tightly closed.

Incompatibilities

Store locked up.
Protect from sunlight.
Do not expose to temperatures exceeding 50 °C/122 °F.
Store in a cool, dry area.
Keep from direct sunlight.
Ventilation at floor level.
Store in fireproof room.
Keep unauthorized personnel away.
Shelf life is 10 months.

Incompatible Materials

No data available.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
2-Propanol, 1-chloro-, phosphate (3:1)	N/A	N/A	N/A
Glyceryl polypropylene glycol triether	N/A	N/A	N/A
Isobutane	1000 ppm	N/A	1000 ppm
Dimethyl ether	N/A	400 ppm	N/A
Propane	1000 ppm TWA	1000 ppm PEL	N/A
Triethyl phosphate	N/A	N/A	N/A
4,4'-Diphenylmethane diisocyanate	TWA: 0.005 ppm	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m ³	N/A
Polymeric diphenylmethane diisocyanate	0.005 ppm	0.02 mg/m ³	N/A

Personal Protective Equipment

Goggles, Gloves

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

Engineering Controls

Use explosion-proof lighting equipment. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Wear chemical safety goggles.

Skin Protection

Wear appropriate chemical resistant clothing. Wear fire/flame resistant/retardant clothing. Refer to NFPA 2112, Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire and NFPA 2113, Standard on the Selection, Use, Care and Maintenance of Flame-Resistant Garments for Protection of Industrial Personnel Against Short-

duration Thermal Exposures from Fire (2015).

Respiratory Protection

Respirators depend on exposure level. SCBA with full face piece recommended during change outs and available in case of emergency.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Section 9. Physical and Chemical Properties

Physical State	Aerosol
Color	Not available
Odor	Characteristic odor
Odor Threshold	Not available
Solubility	Not available
Partition coefficient Water/n-octanol	Not available
VOC%	N/A
Viscosity	Not available
Specific Gravity	0.982
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	Extremely flammable aerosol
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 before writing specifications.

Section 10. Stability and Reactivity

Reactivity	May be ignited by heat, sparks or flames. Gas/vapor spreads at floor level: Ignition hazard.
Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	Will not occur.
Conditions to Avoid	Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition sources. Keep away from sources of ignition.
Incompatible Materials	Not available.
Hazardous Combustion Products	Phosphorus oxides, nitrous vapors, hydrogen chloride, carbon monoxide, carbon dioxide

Section 11. Toxicological Information

Information on Likely Routes of Exposure	<p>Inhalation Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.</p> <p>Skin Contact Causes skin irritation. May cause an allergic skin reaction.</p> <p>Eye Contact Causes serious eye irritation.</p> <p>Ingestion No information on significant adverse effects.</p>
Immediate Effects	dry throat, sore throat. Irritation to respiratory tract. May cause irritation of mucous membranes, runny nose, skin irritation, eye irritation, lacrimation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness.
Delayed Effects	Suspected of causing cancer. Causes damage to the respiratory system through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure: liver, thyroid gland.
Irritation/Corrosivity Data	Causes skin irritation, eye irritation, respiratory tract irritation.
Respiratory Sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Dermal Sensitization	May cause an allergic skin reaction.
Component	Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9
Carcinogenicity	<p>IARC: Supplement 7 [1987] ; Monograph 19 [1979] (Group 3 (not classifiable))</p> <p>DFG: Category 4 (no significant contribution to human cancer)</p> <p>4,4'-Methylenediphenyl diisocyanate 101-68-8</p> <p>IARC: Monograph 71 [1999] ; Supplement 7 [1987] ; Monograph 19 [1979] (Group 3 (not classifiable))</p> <p>DFG:</p>

Category 4 (no significant contribution to human cancer)

Germ Cell Mutagenicity	No information available for the product.
Tumorigenic Data	No information available for the product.
Reproductive toxicity	No information available for the product.
Specific Target Organ Toxicity - Single Exposure	respiratory system
Specific Target Organ Toxicity - Repeated Exposure	respiratory system, liver, thyroid gland
Aspiration hazard	No information available for the product.
Medical Conditions Aggravated by Exposure	No information available for the product.

Section 12. Ecological Information

Component Analysis - Aquatic Toxicity	2-Propanol, 1-chloro-, phosphate (3:1) 13674-84-5 Fish: LC50 96 h Brachydanio rerio 56.2 mg/L [static]; LC50 96 h Pimephales promelas 98 mg/L [static]; LC50 96 h Poecilia reticulata 30 mg/L [static] Algae: EC50 72 h Desmodesmus subspicatus 45 mg/L IUCLID ; EC50 96 h Pseudokirchneriella subcapitata 4 mg/L IUCLID Invertebrate: EC50 48 h Daphnia magna 63 mg/L IUCLID
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Section 13. Disposal

Disposal Methods	Dispose of contents/container in accordance with local/regional/national /international regulations.
Component Waste Numbers	The U.S. EPA has not published waste numbers for this product's components.

Section 14. Transport Information

UN Number	1950
UN Proper Shipping Name	Aerosols
DOT Classification	Hazard Class: 2.1 Required Label(s): 2.1
Packing Group	None assigned
IATA Information	Shipping Name: AEROSOLS, FLAMMABLE Hazard Class: 2.1 UN#: UN1950 Required Label(s): 2.1
IMDG Information	Shipping Name: AEROSOLS Hazard Class: 2 UN#: UN1950 Required Label(s): 2

Section 15. Regulatory Information

U.S. Federal Regulations This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

SARA Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9
SARA 313: 1 % de minimis concentration

4,4'-Methylenediphenyl diisocyanate 101-68-8

SARA 313: 1 % de minimis concentration

CERCLA: 5000 lb final RQ ; 2270 kg final RQ

SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories
Flammable; Carcinogenicity; Acute toxicity; Skin Corrosion/Irritation;
Respiratory/Skin Sensitization; Serious Eye Damage/Eye Irritation; Specific
Target Organ Toxicity

U.S. State Regulations The following components appear on one or more of the following state hazardous substances lists:

Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9
NJ

4,4'-Methylenediphenyl diisocyanate 101-68-8

CA, MA, MN, NJ, PA

Dimethyl ether 115-10-6

MA, MN, NJ, PA

Isobutane 75-28-5

MA, NJ, PA

Propane 74-98-6

MA, MN, NJ, PA

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects. For more information, go to www.P65Warnings.ca.gov

**Canadian WHMIS
Ingredient Disclosure List
(IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredient Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

Section 16. Other Information

Disclaimer

The data contained herein is based upon information that Soudal 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.