Aussie Grout 911

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 12/29/2022 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Aussie Grout 911

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

AVM Industries, Inc.
8245 Remmet Ave
Canoga Park, CA 91304
Tel: 818-888-0050
Fax: 818-888-0030
www.avmindustries.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300
24 hour CHEMTREC contact:

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute Tox. 4 (Inhalation)	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Resp. Sens. 1	H334
Skin Sens. 1	H317
Carc. 2	H351
Repr. 1B	H360
STOT SE 3	H335
STOT RE 1	H372

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger

Hazard statements (GHS US) :
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 - May cause respiratory irritation.
H351 - Suspected of causing cancer.
H360 - May damage fertility or the unborn child.
H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation).

Precautionary statements (GHS US) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P261 - Avoid breathing fume, mist, spray, vapors.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear eye protection, protective clothing, protective gloves.
P284 - [In case of inadequate ventilation] wear respiratory protection.
P302+P352 - If on skin: Wash with plenty of soap and water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P304+P341 - IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a doctor, a POISON CENTER if you feel unwell.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see first aid instructions on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P342+P311 - If experiencing respiratory symptoms: Call a doctor, a POISON CENTER.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P363 - Wash contaminated clothing before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

2.3. Other hazards which do not result in classification

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	%
Dibutyl phthalate	(CAS-No.) 84-74-2	15 – 60
Isocyanic acid, polymethylenepolyphenylene ester	(CAS-No.) 9016-87-9	10 – 30
4-4'-Methylenediphenyl diisocyanate	(CAS-No.) 101-68-8	10 – 30
Propanol, [(1-methyl-1,2-ethanediyl)bis(oxy)]bis-, polymer with 1,1'-methylenebis[isocyanatobenzene] and oxybis[propanol]	(CAS-No.) 68092-58-0	10 – 30
Benzene, 1,1'-methylenebis[isocyanato-	(CAS-No.) 26447-40-5	3 – 7

***In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret.**

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention immediately.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.

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

Symptoms/effects : Causes skin irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Causes serious eye irritation. Harmful if inhaled. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure (Inhalation).

Symptoms/effects after inhalation : Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Symptoms/effects after skin contact	:	Causes skin irritation. May cause an allergic skin reaction. Reacts with skin protein and moisture to cause skin irritation and sensitization. Once sensitized, an individual may react even to airbourne levels below the applicable exposure limit with the following symptoms: itching and tingling of the ealobes and neck, rash, hives, swelling of the arms and legs or other symptoms common to allergic dermatitis. These symptoms may be immediate or delayed for several hours. Respiratory sensitization may result from skin contact.
Symptoms/effects after eye contact	:	Causes serious eye irritation.
Symptoms/effects after ingestion	:	May cause gastrointestinal irritation.
Chronic symptoms	:	May cause an allergic skin reaction. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure (Inhalation).

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	:	Carbon dioxide. Dry powder. Foam.

5.2. Specific hazards arising from the chemical

Fire hazard	:	Heating may cause a fire.
Explosion hazard	:	Product is not explosive.
Reactivity	:	Stable under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	:	Use cold water spray to cool fire-exposed containers to minimize risk of rupture. Fight fire with normal precautions from a reasonable distance. Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire.
Protection during firefighting	:	Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Evacuate area. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Ventilate area. Keep upwind.

6.1.1. For non-emergency personnel

Protective equipment	:	Wear Protective equipment as described in Section 8.
Emergency procedures	:	Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	:	Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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.
Methods for cleaning up	:	Wear suitable protective clothing. Ventilate area. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). If process is performed that may cause airborne particles, appropriate respiratory protection should be used to avoid breathing any dust or vapors. Avoid contact with skin and eyes. Do not breathe vapors, mist. Provide good ventilation in process area to prevent formation of vapor. 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

Technical measures : Do not store product contaminated with water to prevent potentially hazardous reaction.

Storage conditions : Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxiidzers and any incompatibilities. Store in approved containers and protect against physical damage. Keep container securely sealed when not in use. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Use non-sparking ventilation systems, approved explosion proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Ground and bond containers and receiving equipment. Avoid static electricity by grounding. Do not cut, drill, grind, weld, or perfom similar operations on or near containers. Do not pressurize containers to empty them. Ground all structures, transfer container and equipment to conform to the national electrical code. Use procedures that prevent static electrical sparks. Static electricity may accumulate and create a fire hazard.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)		
ACGIH	Remark (ACGIH)	OELs not established
OSHA	Remark (OSHA)	OELs not established

4-4'-Methylenediphenyl diisocyanate (101-68-8)		
ACGIH	ACGIH OEL TWA [ppm]	0.005 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: Resp sens
ACGIH	Regulatory reference	ACGIH 2022
OSHA	OSHA PEL C	0.2 mg/m³
OSHA	OSHA PEL C [ppm]	0.02 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Propanol, [(1-methyl-1,2-ethanediyl)bis(oxy)]bis-, polymer with 1,1'-methylenebis[isocyanatobenzene] and oxybis[propanol] (68092-58-0)		
ACGIH	Remark (ACGIH)	OELs not established
OSHA	Remark (OSHA)	OELs not established

Dibutyl phthalate (84-74-2)		
ACGIH	ACGIH OEL TWA	5 mg/m³
OSHA	OSHA PEL TWA [1]	5 mg/m³

Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)		
OSHA	OSHA PEL C	0.2 mg/m³
OSHA	OSHA PEL C [ppm]	0.02 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment symbol(s):

Personal protective equipment:

Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.

Hand protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Change contaminated gloves immediately. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection:

Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Amber liquid.
Color	:	Amber
Odor	:	Mildly aromatic.
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	400 °F
Flash point	:	200 °F
Relative evaporation rate (butylacetate=1)	:	Slower than ether
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	Heavier than air
Relative density	:	No data available
Density	:	9.43 lb/gal
Solubility	:	Reacts with water
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
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

Stable under normal conditions of use.

10.2. Chemical stability

Material is stable at standard temperature and pressure.

10.3. Possibility of hazardous reactions

Material reacts slowly with water, releasing carbon dioxide which can cause build-up and rupture of closed containers. Pressure build-up can be rapid. This reaction is accelerated on exposure to temperature rise.

10.4. Conditions to avoid

Heat, high temperature, open flame, sparks, moisture. Contact with incompatible materials in a closed system will cause liberation of carbon dioxide and buildup of pressure.

10.5. Incompatible materials

This product with react with any material containing active hydrogens, such as water, alcohol, ammonia, amines, alkalis and acids, the reaction with water is slow under 50 °C, but is accelerated at higher temperature and in the presence of alkalis, tertiary amines, and metal compounds. Some reactions can be violent. Material can react with strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon dioxide, carbon monoxide, nitrogen oxides, trace amounts of hydrogen cyanide and unidentified organic compounds may be formed during combustion.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Harmful if inhaled.

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)	
LD50 oral rat	49 g/kg
LD50 dermal rabbit	> 9.4 g/kg
LC50 Inhalation - Rat	0.49 mg/l/4h

4-4'-Methylenediphenyl diisocyanate (101-68-8)	
LD50 oral rat	31600 mg/kg
LD50 dermal rabbit	> 9400 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	369 mg/m³ 4 h

Dibutyl phthalate (84-74-2)	
LD50 oral rat	7499 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 20 ml/kg (Source: NLM_CIP)
LC50 Inhalation - Rat	> 15.68 mg/l/4h (Source: IUCLID)

Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	
LD50 oral rat	> 7400 mg/kg
LD50 dermal rabbit	> 6200 mg/kg
LC50 Inhalation - Rat	0.369 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

Reproductive toxicity : May damage fertility or the unborn child.

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure (Inhalation).

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Symptoms/effects : Causes skin irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Causes serious eye irritation. Harmful if inhaled. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure (Inhalation).

Symptoms/effects after inhalation : Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction. Reacts with skin protein and moisture to cause skin irritation and sensitization. Once sensitized, an individual may react even to airbourne levels below the applicable exposuire limit with the following symptoms: itching and tingling of the ealobes and neck, rash, hives, swelling of the arms and legs or other symptoms common to allertic dermatitis. These symptoms may be immidiate or delayed for several hours. Respiratory sensitization may result from skin contact.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation.
Chronic symptoms	: May cause an allergic skin reaction. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure (Inhalation).

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No information available.

4-4'-Methylenediphenyl diisocyanate (101-68-8)	
LC50 - Fish [1]	> 1000 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
NOEC (chronic)	≥ 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

Not regulated for transport

Transport by sea (IMDG)

Transport document description (IMDG)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
UN-No. (IMDG)	3082
Proper Shipping Name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class (IMDG)	9 - Miscellaneous dangerous substances and articles
Packing group (IMDG)	III - substances presenting low danger
Limited quantities (IMDG)	5 L

Air transport (IATA)

Transport document description (IATA)	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III
UN-No. (IATA)	3082
Proper Shipping Name (IATA)	Environmentally hazardous substance, liquid, n.o.s.
Class (IATA)	9 - Miscellaneous Dangerous Substances and Articles
Packing group (IATA)	III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

Aussie Grout 911	
All chemical substances in this product are listed as “Active” in the EPA (Environmental Protection Agency) “TSCA Inventory Notification (Active-Inactive) Requirements Rule” (“the Final Rule”) of Feb. 2019, as amended Feb. 2021, or are otherwise exempt or regulated by other agencies such as FDA or FIFRA	
SARA Section 311/312 Hazard Classes	Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Serious eye damage or eye irritation Health hazard - Respiratory or skin sensitization Health hazard - Carcinogenicity Health hazard - Reproductive toxicity

4-4'-Methylenediphenyl diisocyanate (101-68-8)	
Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb

Dibutyl phthalate (84-74-2)	
Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	10 lb

15.2. International regulations

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)	
Toxic Substance (CEPA – Schedule I)	Yes

15.3. US State regulations

⚠ **WARNING:** This product can expose you to Dibutyl phthalate, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	**Carcinogenicity**	**Developmental toxicity**	**Reproductive toxicity male**	**Reproductive toxicity female**	**No significant risk level (NSRL)**	**Maximum allowable dose level (MADL)**
Dibutyl phthalate(84-74-2)		X	X	X		

Component	**State or local regulations**
Isocyanic acid, polymethylenepolyphenylene ester(9016-87-9)	U.S. - New Jersey - Right to Know Hazardous Substance List
4-4'-Methylenediphenyl diisocyanate(101-68-8)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S. - Massachusetts - Right To Know List
Dibutyl phthalate(84-74-2)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S. - Massachusetts - Right To Know List

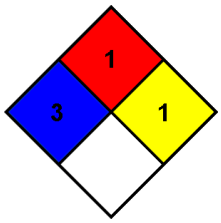
SECTION 16: Other information

Other information : Author: SS.

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

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

NFPA reactivity : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



HMIS Hazard Rating	
Health	: 3
Flammability	: 1
Physical	: 1

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.