

Safety Data Sheet

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

Issue date: 01/14/2021 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : Acryl-R SM5504 Acrylic Self-Leveling Sealant (Clear); Acryl-R SM5504 Acrylic Self-Leveling

Sealant (Aluminum)

Product code : SM5504

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Self-Leveling Sealant

1.3. Supplier

T 781-878-7015

ITW Polymers and Sealants NA 56 Air Stations Industrial Park Rockland, MA 02370

1.4. Emergency telephone number

Emergency number : CHEMTREC (US Transportation): (800) 424-9300 International: +1 (703) 527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable liquids, Category 2

Skin corrosion/irritation, Category 2

H315

Serious eye damage/irritation, Category 2

H319

Reproductive toxicity, Category 2

H361

Specific target organ toxicity - Single exposure, Category 3, Narcosis

Specific target organ toxicity - Repeated exposure, Category 2

H373

Aspiration hazard, Category 1

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US)







Signal word (GHS US) : Danger

Hazard statements (GHS US) : H225 - Highly flammable liquid and vapor.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.

H361 - Suspected of damaging fertility or the unborn child.

H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment.

P241 - Use explosion-proof electrical, lighting, ventilating equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P260 - Do not breathe mist, vapors.

P264 - Wash hands, forearms and face thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

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P280 - Wear eye protection, protective gloves, protective clothing, respiratory protection P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a poison center P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower

P304+P340 - IF INHALED: 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.

P331 - Do NOT induce vomiting.

P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eve irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use Carbon dioxide (CO2), dry extinguishing powder, foam to

extinguish.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P403+P235 - Store in a well-ventilated place. Keep cool.

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

Other hazards which do not result in classification 2.3.

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**

These products contain one or more of the following components:

Name	Product identifier	% *
Toluene	(CAS-No.) 108-88-3	30 - 60
Aluminum	(CAS-No.) 7429-90-5	0.1 - 1

^{*} 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 affected. If breathing is difficult, supply oxygen.

: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at First-aid measures after skin contact

least 15 minutes. If irritation develops or persists, get medical attention.

: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact First-aid measures after eye 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 indestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison

control center. Get medical attention if you feel unwell.

Most important symptoms and effects (acute and delayed)

Symptoms/effects May cause drowsiness or dizziness. Causes skin irritation. Causes serious eye irritation. May

be fatal if swallowed and enters airways. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated

exposure.

Symptoms/effects after inhalation May cause drowsiness or dizziness.

Symptoms/effects after skin contact Causes skin irritation.

Symptoms/effects after eye contact Causes serious eye irritation.

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Symptoms/effects after ingestion

: May be fatal if swallowed and enters airways.

Chronic symptoms

Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.

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 : Water fog. Foam. Dry chemical. Carbon dioxide (CO2).

5.2. Specific hazards arising from the chemical

Fire hazard

Reactivity

: Highly flammable liquid and vapor.

Explosion hazard

: Avoid fire, sparks, static electricity and hot surfaces. Liquid readily evaporates at room/ambient temperature. Vapors are invisible, flammable, heavier than air, and may accumulate in low areas and spread long distances. Distant ignition and flashback are possible.

: No dangerous reactions known under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

Firefighting instructions

: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting

: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information

: Avoid smoke inhalation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

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

6.3. Methods and material for containment and cleaning up

For containment

: SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed, thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Ventilate the area by natural means or by explosion proof means (i.e. fans). Know and prepare for spill response before using or handling this product. Eliminate all ignition sources (flames, hot surfaces, portable heaters and sources of electrical, static, or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools and appropriate PPE. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

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Methods for cleaning up

: Ventilate area. Eliminate ignition sources. Use only non-sparking tools. Soak up residue with an absorbent such as clay, sand or other suitable material. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: For professional or industrial use only. Follow label instructions. Keep out of reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Turn off all pilot lights, flames, stoves, heaters, electric motors, welding equipment and other sources of ignition. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. Flammable vapors may cause flash fire or ignite explosively. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation). Containers may be hazardous when empty. Never use welding or cutting torch on or near container. Do not cut, drill, grind, or expose containers to heat, sparks, static electricity or other source of ignition. Explosion may occur causing injury or death.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep away from ignition sources. Store in a well-ventilated place. Keep cool.

Storage area

- Do not store in the same area with alcohols, amines, strong bases, and surface active
- materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

These products contain one or more of the following components:

Toluene (108-88-3)				
ACGIH	ACGIH TWA (ppm)	20 ppm		
ACGIH	Remark (ACGIH) Visual impair; female repro			
ACGIH	Regulatory reference ACGIH 2018			
OSHA	OSHA PEL (TWA) (ppm)	200 ppm		
OSHA	OSHA PEL C [ppm]	300 ppm (500 ppm Peak [10 minutes])		
OSHA Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift 500 ppm 10 mins.		500 ppm 10 mins.		
OSHA	Remark (OSHA) (2) See Table Z-2.			
OSHA Regulatory reference (US-OSHA) OSHA		OSHA		
Aluminum (7429-90-5)				
ACGIH	ACGIH TWA (mg/m³)	1 mg/m³		
ACGIH	Remark (ACGIH)	TLV® Basis: Pneumoconiosis; LRT irr; neurotoxicity. Notations: A4 (Not classifiable as a Human Carcinogen)		
ACGIH	Regulatory reference	ACGIH 2019		
OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³ respirable fraction		
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1		

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.

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8.3. Individual protection measures/Personal protective equipment

Personal protective equipment symbol(s):







Personal protective equipment:

Gloves. Protective goggles. Wear chemically impervious apron over labcoat and full coverage clothing.

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. 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

Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Slightly hazy, viscous, flowable liquid

Color : Clear or aluminum color : Aromatic, acrylate odor Odor Odor threshold No data available : No data available рΗ Melting point No data available Freezing point : No data available Boiling point : 110.6 °C (231 °F) : 12.2 °C (54 °F) Flash point

Relative evaporation rate (n-butyl acetate=1) : > 7

Flammability (solid, gas) : No data available Vapor pressure : No data available : No data available Relative vapor density at 20 °C Relative density : 1.015 (average) Density : 8.46 lb/gal Solubility : Insoluble in water Log Pow : No data available Auto-ignition temperature : 536.1 °C (997 °F) Decomposition temperature : No data available Viscosity, kinematic : No data available : No data available Viscosity, dynamic **Explosive limits** : 1.2 - 7.1 vol % (toluene) Explosive properties : No data available

Oxidising properties

: No data available

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9.2. Other information

VOC content : 443.4 g/l EPA Method 24 VOC

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Static electricity. Heat. Sparks. Open flame.

10.5. Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Toluene (108-88-3)		
LD50 oral rat	2600 mg/kg	
LD50 dermal rabbit	12000 mg/kg	
LC50 Inhalation - Rat	12.5 mg/l/4h	

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

Viscosity, kinematic : No data available

Symptoms/effects : May cause drowsiness or dizziness. Causes skin irritation. Causes serious eye irritation. May

be fatal if swallowed and enters airways. Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated

exposure

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

Chronic symptoms : Suspected of damaging fertility. Suspected of damaging the unborn child. May cause damage

to organs through prolonged or repeated exposure.

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SECTION 12: Ecological information

12.1 **Toxicity**

This product contains components that will normally float on water. These components may be Ecology - general

harmful to aquatic organisms and may cause long term adverse effects in the aquatic

environment.

Hazardous to the aquatic environment, short-

term (acute)

: Not classified

Hazardous to the aquatic environment, long-

: Not classified

term (chronic)

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

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Do not discharge to public wastewater systems without permit of pollution control authorities. Waste treatment methods

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.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1133 Adhesives (contains: Toluene), 3, II

: UN1133 UN-No.(DOT) Proper Shipping Name (DOT) : Adhesives

contains: Toluene

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group (DOT) : II - Medium Danger Hazard labels (DOT) : 3 - Flammable liquid



DOT Quantity Limitations Passenger aircraft/rail : 5 L

(49 CFR 173.27)

DOT Vessel Stowage Location

DOT Quantity Limitations Cargo aircraft only (49 : 60 L

CFR 175.75)

: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this

section is exceeded.

Emergency Response Guide (ERG) Number

Other information

: Per DOT regulation 49 CFR 173.150 - Exceptions for Class 3, product can ship as limited

PG II - inner packaging (cartridge) is < 0.3 gallons PG III - inner packaging (cartridge) is < 1.3 gallons.

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Transportation of Dangerous Goods

Transport document description : UN1133 ADHESIVES (contains: Toluene), 3, II

UN-No. (TDG) : UN1133
Proper Shipping Name (Transportation of : ADHESIVES

Dangerous Goods)

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Packing group : II - Medium Danger

Explosive Limit and Limited Quantity Index : 5 L
Passenger Carrying Road Vehicle or Passenger : 5 L

Carrying Railway Vehicle Index

Transport by sea (IMDG)

Transport document description (IMDG) : UN 1133 ADHESIVES (contains: Toluene), 3, II

UN-No. (IMDG) : 1133
Proper Shipping Name (IMDG) : ADHESIVES

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : II - substances presenting medium danger

Limited quantities (IMDG) : 5 L

Air transport (IATA)

Transport document description (IATA) : UN 1133 Adhesives (contains: Toluene), 3, II

UN-No. (IATA) : 1133
Proper Shipping Name (IATA) : Adhesives

Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : II - Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

Acryl-R SM5504 Acrylic Self-Leveling Sealant (Clear); Acryl-R SM5504 Acrylic Self-Leveling Sealant (Aluminum)			
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") as of Feb. 2019 or are otherwise exempt.			
SARA Section 311/312 Hazard Classes Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Reproductive toxicity			

Toluene (108-88-3)		
Subject to reporting requirements of United States SARA Section 313		
CERCLA RQ	1000 lb	
Aluminum (7429-90-5)		
Subject to reporting requirements of United States SARA Section 313		

15.2. International regulations

No additional information available.

15.3. US State regulations

⚠ WARNING:

This product can expose you to Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Health hazard - Aspiration hazard

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Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Toluene (108-88-3)		X				7000 µg/day
Ethylbenzene (100-41-4)	Х				54 μg/day (inhalation); 41 μg/day (oral)	
Benzene (71-43-2)	X	Х	X		6.4 µg/day (oral); 13 µg/day (inhalation)	24 μg/day (oral); 49 μg/day (inhalation)
Cumene (98-82-8)	Х					
Naphthalene (91-20-3)	Х				5.8 μg/day	

These products contain one or more of the following components:

Component	State or local regulations
Toluene (108-88-3)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List; U.S Massachusetts - Right to Know List
Benzene (71-43-2)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List; U.S Massachusetts - Right to Know List
Ethylbenzene (100-41-4)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List; U.S Massachusetts - Right to Know List
Cumene (98-82-8)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List; U.S Massachusetts - Right to Know List; U.S Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
Naphthalene (91-20-3)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List; U.S Massachusetts - Right to Know List
Aluminum (7429-90-5)	U.S Massachusetts - Right to Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List

SECTION 16: Other information

Revision date : 01/14/2021 Other information : Author: EMA.

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause

temporary incapacitation or residual injury.

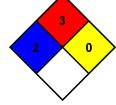
NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended

solids) that can be ignited under almost all ambient

temperature conditions.

NFPA reactivity : 0 - Material that in themselves are normally stable, even

under fire conditions.



HMIS Hazard Rating

Health : :

* - Chronic (long-term) health effects may result from repeated overexposure

Flammability : 3 Physical : 0

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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.