



SM5514

ITW

ACRYL-R®

Low VOC Acrylic Self-Leveling Sealant

TECHNICAL DATA

PRODUCT DESCRIPTION:

ACRYL-R® SM5514 is a self leveling, low VOC, one component acrylic compound designed to seal mechanically fixed joints. After solvent release, this sealant exhibits a tough ductile mass that fulfills the sealant requirements of window, door, recreational vehicle, cargo trailer and manufactured home details.

- As a sealant on polycarbonate or acrylic surfaces when in tension.
- On polystyrene or foam insulation.
- Dynamic expansion joints.

ADVANTAGE:

- Excellent adhesion
- Outstanding UV resistance
- Easy to apply, can be used with plews guns
- Fast skinning
- Cures to a ductile consistency
- Permanently flexible
- Paintable / Mildew resistant
- Primerless adhesion to substrates, including anodized and mill finish aluminum, steel, galvanized steel, fiberglass, many plastics and rubber roofs.

TYPICAL USES:

- Narrow corner joints and screw heads.
- Waterproofing rivet seams and roof nails.
- Sealing gutters
- Sealing vehicle bodies, cab construction, underbody compartments and roofing.
- Sealing front and rear spoilers, auto trim, moldings, body seams and weld joints.
- Sealing corner moldings, fabricated roof-lap seams, bumper assemblies and body-to-cab joints in mini-motor homes.

SPECIFICATION COMPLIANCE:

<p>AAMA 803.3 (Narrow Joint Seam Sealers)</p>

APPLICATION LIMITATIONS:

Not recommended for use:

- On frost-bearing surfaces or when the temperature is below 40°F (4.6°C).
- On joints that will be subjected to continuous water immersion.
- Joints contaminated with silicone type cutting or fabricating oils.

TYPICAL PROPERTIES:

Property	Typical Value	Test Method
Odor:	Sweet solvent odor before cure; None after cure.	
Percent Solids:	55 % Min.	
VOC (g/L)	48 g/L Max.	
Viscosity:	44,000 – 83,200 cps	HBT Brookfield Viscometer
Flash Point:	63°F (17°C)	ASTM D56 Tag Closed Cup
Elongation:	200% Min.	ASTM D412
Hardness:	30-35 A	ASTM C 661
Peel Adhesion: (glass/aluminum)	12 pli (2.1 kN/m)	ASTM C794
Sag:	0.4" max.	ASTM D2202
Water Resistance:	Pass	AAMA 800
Service Temperature Range:	0°F – 180°F (-18°C – 82°C)	
Shelf Life:	SM5514 has a shelf life of 18 months when stored in original closed containers at or below 80°F (27°C)	

GENERAL APPLICATION:

Surface Preparation

- Do not open until ready for use. Cut nozzle to desired bead size. Puncture seal inside spout.
- Exercise care during application and tooling to prevent air entrapment.
- Fill joints form the deepest point to prevent air entrapment.
- Tooling should be done in one continuous stroke.
- Excess sealant should be wiped from all surfaces while still uncured.
- If joint surfaces have been masked, remove masking tape immediately after tooling.
- Surfaces must be clean, dry and free of oil or grease.
- Mill finish aluminum may contain an invisible oil film or oxide. Clean with a good degreasing solvent such as xylene or toluene.

Joint Design

- Narrow joints (less than 3/32" [2.38mm] wide) should be sealed using a triangular or round bead which laps both adherends by 1/8" (3.17mm) minimum. Avoid applying sealant to one adherend edge before assembly as squeeze out will not provide sufficient sealant in the joint. In all joints, sealant depth (thickness) would be at least 3/32" to 1/8".
- Joint width should not exceed 3/16" and sealant width should be sufficient to provide 1/8" minimum contact with each adherend.
- Use care in applying sealant on vertical surfaces as an excessive amount will cause flow from the joint and run down the surface.

Clean up

- Remove all excess sealant smears adjacent to the joint with xylene, toluene or methyl ethyl ketone*.
- Tools and application equipment may also be cleaned with the same solvents.

* The use of these solvents (or other solvents) be hazardous to your health. Use only in a well ventilated area. KEEP AWAY FROM OPEN FLAME. Read all labeling before use. Follow solvent manufacturer's recommendations and instructions for safe handling.

PRECAUTIONS:

If this product is used in direct contact or in close proximity with any other sealant or elastomer, a compatibility test must be conducted by the purchaser or user prior to use. The suitability of this product, for each intended use, must be determined by the purchaser prior to acceptance.

PRETEST FOR ADHESION:

Pretest for adhesion is intended to eliminate potential field problems, by testing SM5514 with samples of substrates on which it will be applied. This testing will aid in determining the proper surface preparation method and effective cleaning techniques prior to application.

EXCLUSION OF WARRANTIES:

AS TO THE HEREIN DESCRIBED MATERIALS, SCHNEE-MOREHEAD®, INC. MAKES NO WARRANTIES WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SINCE THE USE OF THE HEREIN DESCRIBED MATERIALS INVOLVES MANY VARIABLES IN METHODS OF APPLICATION, HANDLING AND/OR USE, THE USER IN ACCEPTING AND USING THESE MATERIALS ASSUMES ALL RESPONSIBILITY FOR THE END RESULT. THE PURCHASE OF THIS SCHNEE-MOREHEAD®, INC. PRODUCT IS SUBJECT TO THE TERMS AND CONDITIONS OF AN "AS IS" SALE, AND IF THE PRODUCT IS PROVED TO BE DEFECTIVE, THE EXCLUSIVE REMEDY, AT SCHNEE-MOREHEAD®, INC.'S OPTION, SHALL BE TO REPLACE THE DEFECTIVE SCHNEE-MOREHEAD®, INC. PRODUCT. SCHNEE-MOREHEAD®, INC. SHALL NOT OTHERWISE BE LIABLE FOR LOSS OF DAMAGES, WHETHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL, REGARDLESS OF THE LEGAL THEORY ASSERTED, INCLUDING NEGLIGENCE, WARRANTY OR STRICT LIABILITY.

Complete technical information is available from Schnee-Morehead®, Inc. For technical assistance, customer service and general information call:

SCHNEE-MOREHEAD®, INC.

111 N. Nursery Road
Irving, TX 75060
972-438-9111 Fax: 972-554-3939
www.schneemorehead.com



MATERIAL SAFETY DATA SHEET

Schnee-Morehead[®], Inc.

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : SM 5514
PRODUCT CODE : SM 5514
DESCRIPTION : Acrylic Seam Sealer
MANUFACTURER'S NAME : Schnee-Morehead, Inc.
STREET ADDRESS : 111 North Nursery Road, Irving, Texas
INFORMATION PHONE : 972-438-9111 **EMERGENCY PHONE** : 800-424-9300 CHEMTREC

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Warning! Flammable material. This product is a thick pigmented, liquid with a mild aromatic odor.

OSHA Regulatory Status: This product contains components that are considered to be hazardous under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects Inhalation: Fumes or vapors from this product may cause mild irritation to the respiratory system. May aggravate existing respiratory conditions.

Potential Health Effects Skin: Contact may cause mild skin irritation. Repeated or prolonged skin contact may result in allergic dermatitis.

Potential Health Effects Eyes: Contact with this product will cause moderate eye irritation.

Potential Health Effects Ingestion: Not a likely route of exposure. May cause nausea if ingested.

HMS Ratings: Health 2 Fire 3 Reactivity 0
Hazard Scale 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	PERCENT (WGT)
Toluene	108-88-3	<3%
Acrylic Resin	Proprietary	50-70%
Dimethyl Carbonate	616-38-6	35-45%

SECTION 4 - FIRST AID MEASURES

EYE CONTACT : Immediately flush eyes with water for at least 15 minutes, while holding eyes open. Immediately seek medical attention.

SKIN CONTACT : Remove contaminated clothing. Immediately wash exposed area with large amounts of water.

INHALATION : Under normal conditions of use, inhalation of product is unlikely. If fumes are inhaled and become an irritant, remove person from the area to fresh air. Seek immediate medical attention if exposure has occurred.

INGESTION : GET IMMEDIATE MEDICAL ATTENTION! DO NOT INDUCE VOMITING. Do not attempt to give anything by mouth to an unconscious person.

NOTES TO PHYSICIANS : Treat symptomatically.

GENERAL HYGIENE: Use good hygiene practices when handling this material. Wash hands before eating, drinking, smoking or using toilet facilities.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Thick liquid, can come in a number of colors.		
ODOR:	Slight aromatic odor	Ph:	7.02
PHYSICAL STATE:	Thick liquid	SPECIFIC GRAVITY:	1.1
VAPOR PRESSURE:	5.6 kPa @ 20C	PERCENT NONVOLATILE:	97%
VAPOR DENSITY:	3.1	VOC:	48 g/L
BOILING POINT:	N/A	FLASH POINT (METHOD):	63F ASTM D56-82
MELTING POINT:	N/A	UPPER LIMIT:	N/A
SOLUBILITY (H2O):	Non soluble	LOWER LIMIT:	N/A

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under ordinary conditions of use & storage.

CONDITIONS TO AVOID: Heat, sparks, open flame, other ignition sources & oxidizing conditions.

INCOMPATIBLE MATERIALS: Strong oxidizing agents & amines.

HAZARDOUS DECOMPOSITION PRODUCTS: Evolves carbon dioxide, carbon monoxide or hydrocarbon fumes upon combustion or if heated to decomposition.

POSSIBILITY OF HAZARDOUS REACTIONS: None

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE AND CHRONIC EFFECTS: Contact with product may cause skin irritation. No known chronic effects.

COMPONENT ANALYSIS – LD50/LC50:

Toluene - ORL-RAT LD50 636 mg kg⁻¹
 IPR-RAT LD50 1332 mg kg⁻¹
 ORL-HMN LDLO 50 mg kg⁻¹
 IPR-MUS LD50 59 mg kg⁻¹
 IHL-MAM LC50 30 g m⁻³

CARCINOGENICITY: **NTP:** No **IARC:** 3 **OSHA REGULATED:** No

OTHER TOXICOLOGICAL INFORMATION: None available

SECTION 12 - ECOLOGICAL INFORMATION

GENERAL: This product is not environmentally persistent or harmful.

COMPONENT ANALYSIS: None known

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE NUMBER AND DESCRIPTION: None identified

DISPOSAL INSTRUCTIONS: Waste must be handled in accordance with all applicable regulations. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state, and local requirements. Processing, use or contamination of this product may change the waste management options.

SECTION 14 - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME / DESCRIPTION: UN 1993 Flammable Liquid N.O.S. (Contains Dimethyl Carbonate), Class 3 PG II

OTHER INFORMATION: None

SECTION 15 - REGULATORY INFORMATION

US Federal Regulations: Toluene is listed on the TSCA inventory.

Toluene is listed under SARA 313 & CERCLA regulations

STATE REGULATIONS: Toluene is listed on the California Proposition 65 list. Other states may have individual regulations. Check individual state requirements.

SECTION 16 - OTHER INFORMATION

DATE PREPARED: 5/7/12

SUPERSEDES DATE: NA

KEY / LEGEND:

N/A = Not Applicable, N.A. = Not Available, N.D. = Not Determined, N/E = Not established, UNK = Unknown

This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.

A MSDS such as this cannot be expected to cover all possible individual situations. The end user of this product has the responsibility to provide a safe workplace. All aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health and safety information contained herein should be passed on to your customers and/or employees.

The opinions expressed herein are those of qualified experts within Schnee-Morehead[®], Inc. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the use of this product are not within the control of Schnee-Morehead[®], Inc., final determination of suitability of this product is the sole responsibility of the user. It is the responsibility of the user to comply with all applicable Federal, State and Local laws and regulations.

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Acryl-R[®]SM5591 is a one component, acrylic self-leveling compound designed to seal mechanically fixed joints. After cure, this sealant exhibits a tough ductile mass that fulfills the sealant requirements of window, door, recreational vehicle, cargo trailer and manufactured home details.

ADVANTAGE:

- Excellent adhesion
- Outstanding UV resistance – non yellowing
- Easy to apply
- Fast skinning
- Cures to a ductile consistency
- Permanently flexible
- Paintable/ Mildew resistant
- Primerless adhesion to substrates, including anodized and mil finish aluminum, steel, galvanized steel, fiberglass, many plastics and rubber roofs.
- SCAQMD and OTC compliant

TYPICAL USES:

- Narrow corner joints and screw heads.
- Waterproofing rivet seams and roof nails.
- Sealing gutters
- Sealing vehicle bodies, cab construction, underbody compartments and roofing.
- Sealing front and rear spoilers, auto trim, moldings, body seams and weld joints.
- Sealing corner moldings, fabricated roof-lap seams, bumper assemblies and body-to-cab joints in mini-motor homes.

APPLICATION LIMITATIONS:

Not recommended for use:

- On frost-bearing surfaces or when the temperature is below 40°F (4.6°C)
- On joints that will be subjected to continuous water immersion.
- Joints contaminated with silicone type cutting or fabricating oils.
- As a sealant on polycarbonate or acrylic surfaces when in tension.
- On polystyrene or foam insulation.
- Dynamic expansion joints.

TYPICAL PROPERTIES:

Property	Typical Value	Test Method
Odor:	Aromatic solvent odor before cure; None after cure.	
Percent Solids:	53 – 57 % Min.	
Viscosity:	44,000 – 83,200 cps	HBT Brookfield Viscometer
Flash Point:	54.0°F (-12.2°C)	ASTM D56 Tag Closed Cup
VOC	364 g/l	EPA Method 24
Elongation:	200% Min.	ASTM D412
Hardness: Shore A	20 min.	ASTM C 661
Peel Adhesion: (glass/aluminum)	5 pli (22N) minimum	ASTM C794
Sag:	0.3 – 0.4" max.	ASTM D2202
Water Resistance:	Passes	AAMA 800
Service Temperature Range:	0°F – 180°F (-17.77°C – 82.22°C)	
Shelf Life:	SM5591 has a shelf life of 18 months when stored in original closed containers at or below 80°F (26.67°C)	

SPECIFICATION COMPLIANCE:

AAMA 803.3
(Narrow Joint Seam Sealers)

APPLICATION:

Surface Preparation

- Do not open until ready for use. Cut nozzle to desired bead size. Puncture seal inside spout.
- Exercise care during application and tooling to prevent air entrapment.
- Fill joints form the deepest point to prevent air entrapment.
- Tooling should be done in one continuous stroke.
- Excess sealant should be wiped from all surfaces while still uncured.
- If joint surfaces have been masked, remove masking tape immediately after tooling.
- Surfaces must be clean, dry and free of oil or grease.
- Mill finish aluminum may contain an invisible oil film or oxide. Clean with a good degreasing solvent such as acetone or exempt solvent.

Joint Design

- Narrow joints (less than 3/32" [2.38mm] wide) should be sealed using a triangular or round bead which laps both adherends by 1/8" (3.17mm) minimum. Avoid applying sealant to one adherend edge before assembly as squeeze out will not provide sufficient sealant in the joint. In all joints, sealant depth (thickness) would be at least 3/32" to 1/8".
- Joint width should not exceed 3/16" and sealant width should be sufficient to provide 1/8" minimum contact with each adherend.
- Use care in applying sealant on vertical surfaces as an excessive amount will cause flow from the joint and run down the surface.

Clean up

- Remove all excess sealant smears adjacent to the joint with acetone, isopropyl alcohol or VOC compliant exempt solvent.
- Tools and application equipment may also be cleaned with acetone or other VOC exempt solvents.

* The use of acetone (or other solvents) can be hazardous to your health. Use only in a well-ventilated area. KEEP AWAY FROM OPEN FLAME. Read all labeling before use. Follow solvent manufacturer's recommendations and instructions for safe handling.

PRECAUTIONS:

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PRETEST FOR ADHESION:

Pretest for adhesion is intended to eliminate potential field problems, by testing SM5591 with samples of substrates on which it will be applied. This testing will aid in determining the proper surface preparation method and effective cleaning techniques prior to application.

EXCLUSION OF WARRANTIES:

AS TO THE HEREIN DESCRIBED MATERIALS, ITW POLYMERS SEALANTS NORTH AMERICA, INC. MAKES NO WARRANTIES WHETHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SINCE THE USE OF THE HEREIN DESCRIBED MATERIALS INVOLVES MANY VARIABLES IN METHODS OF APPLICATION, HANDLING AND/OR USE, THE USER IN ACCEPTING AND USING THESE MATERIALS ASSUMES ALL RESPONSIBILITY FOR THE END RESULT. THE PURCHASE OF THIS ITW POLYMERS SEALANTS NORTH AMERICA, INC. PRODUCT IS SUBJECT TO THE TERMS AND CONDITIONS OF AN "AS IS" SALE, AND IF THE PRODUCT IS PROVED TO BE DEFECTIVE, THE EXCLUSIVE REMEDY, AT ITW POLYMERS SEALANTS NORTH AMERICA, INC.'S OPTION, SHALL BE TO REPLACE THE DEFECTIVE ITW POLYMERS SEALANTS NORTH AMERICA, INC. PRODUCT. ITW POLYMERS SEALANTS NORTH AMERICA, INC. SHALL NOT OTHERWISE BE LIABLE FOR LOSS OF DAMAGES, WHETHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL, REGARDLESS OF THE LEGAL THEORY ASSERTED, INCLUDING NEGLIGENCE, WARRANTY OR STRICT LIABILITY.

Complete technical information is available from
ITW Polymers Sealants North America, Inc.

SAFETY DATA SHEET

Date Prepared : 04/08/2016
MSDS No : SM5591
Date Revised : 04/08/2016
Revision No : 2

ACRYL-R SM5591 Acrylic Self-Leveling Sealant

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ACRYL-R SM5591 Acrylic Self-Leveling Sealant

MANUFACTURER

ITW Polymers Sealants North America
 111 South Nursery Road
 Irving, TX 75060

Product Stewardship: (972) 438-9111

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300

COMMENTS: ACRYL-R is a registered trademark of Illinois Tool Works, Inc.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2
 Reproductive Toxicity, Category 2
 Target Organ Toxicity (Single exposure), Category 3
 Target Organ Toxicity (Repeated exposure), Category 2
 Aspiration Hazard, Category 1

Environmental:

Acute Hazards to the Aquatic Environment, Category 2

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flame



Health
hazard



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.
 H315: Causes skin irritation.
 H336: May cause drowsiness or dizziness.
 H361: Suspected of damaging fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
 H373: May cause damage to organs through prolonged or repeated exposure.
 H401: Toxic to aquatic life.

PRECAUTIONARY STATEMENT(S)

Prevention:

[201]: Obtain special instructions before use.

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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 and bond container and receiving equipment.
 P241: Use explosion-proof [electrical/ventilating/lighting] equipment.
 P242: Use non-sparking tools.
 P243: Take action to prevent static discharges.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P264: Wash face, hands, and any exposed skin thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P308+P313: IF exposed or concerned: Get medical advice/ attention.
 P321: Specific treatment (see Section 4).
 P331: Do NOT induce vomiting.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P362: Take off contaminated clothing.
 P370+P378: In case of fire: Use appropriate media to extinguish.

Storage:

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.

Disposal:

P501: Dispose of contents/container to an approved waste hauler

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: DANGER! Extremely flammable liquid and vapor. Vapor may cause flash fire and explosion. Harmful or fatal if swallowed. Harmful if absorbed through the skin. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. High vapor concentrations may cause drowsiness. Can cause eye, skin and respiratory tract irritation.

POTENTIAL HEALTH EFFECTS

EYES: Can cause moderate to severe eye irritation with temporary damage possible.

SKIN: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INGESTION: Harmful or fatal if swallowed. Can cause gastrointestinal irritation with symptoms of nausea, vomiting and diarrhea.

INHALATION: Respiratory tract irritant. High concentrations may cause dizziness, headache, and anesthetic effects.

ROUTES OF ENTRY: Eye and Skin Contact, Inhalation and Ingestion

IRRITANCY: Eyes, nose, throat, respiratory tract, and skin irritation.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Toluene	25 - 30	108-88-3
Zemasol	10 - 15	NA

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Get immediate medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash or dispose of clothing before reuse.

INGESTION: Do not induce vomiting, keep person warm, quiet and get medical attention immediately. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Aspiration of this material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Liquid and vapor can severely irritate the eyes depending on type of exposure (splash, vapor) and exposure time.

SKIN: Mild to moderate skin irritant.

INGESTION: May cause vomiting.

INHALATION: Respiratory tract irritation. High concentration may cause dizziness, headache, and anesthetic effects.

ACUTE EFFECTS: High vapor concentrations may cause central nervous system (CNS) depression with symptoms including light headedness, giddiness, nausea, drowsiness, headache, nose, throat and respiratory tract irritation, reduced appetite, confusion and unconsciousness.

CHRONIC EFFECTS: Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumonitis (lung cavity) formation and chronic lung dysfunction.

Reports have associated repeated or prolonged occupational exposure to solvents with irreversible brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IB

GENERAL HAZARD: Flammable liquid and vapor.

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Aldehydes

EXPLOSION HAZARDS: 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.

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FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus with pressure-demand, full face piece SCBA (MSHA/NIOSH approved or equivalent) and full protective gear.

SENSITIVE TO STATIC DISCHARGE: Likely to catch fire from near-by spark. Static charge may accumulate by flow or agitation. Grounding and bonding of containers is required.

SENSITIVITY TO IMPACT: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Carbon Dioxide may form when heated to decomposition.

6. ACCIDENTAL RELEASE MEASURES

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 mechanical 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.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid run-off into storm drains, ditches and waterways.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: For professional or industrial use only. Follow label instructions. Keep out of the 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.

HANDLING: Use adequate ventilation and appropriate respiratory protection to avoid breathing vapors when cover is removed. Ground and bond all equipment when handling flammable solvent-borne material.

STORAGE: Keep container closed when not in use. Store in a dry well ventilated area, out of the sun and away from ignition sources. Do not remove or deface label. Prevent water or moist air from entering container. Do not store in the same area with alcohols, amines, strong bases and surface active materials.

SHELF LIFE: 18 months from manufacture date @ 80 F (26.7 C)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Toluene	OSHA PEL	TWA	200 ppm	NL
		STEL	300 ppm ^[1]	NL ^[1]
	ACGIH TLV	TWA	20 ppm	NL
		STEL	NL ^[2]	NL ^[2]
Zemasol	OSHA PEL	TWA	200	
		STEL	250	

Footnotes:
 1. C = Ceiling
 2. NL = Not Listed

ENGINEERING CONTROLS: Provide sufficient explosion proof mechanical (general and/or local exhaust) ventilation to maintain exposure below the occupational exposure limit and exposure concentration.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) or a full face respirator.

SKIN: Wear chemical protective clothing & boots to prevent repeated or prolonged skin contact. Wear impervious gloves, if needed, to prevent repeated or prolonged skin contact.

RESPIRATORY: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. 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. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Wear chemical resistant gloves, such as nitrile rubber.

WORK HYGIENIC PRACTICES: Use good hygiene practices when handling this material. Wash hands thoroughly after use.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous Liquid

ODOR: Aromatic

ODOR THRESHOLD: Not Determined

COLOR: Clear

pH: Not Determined

PERCENT VOLATILE: 41.0

SAFETY DATA SHEET

Date Prepared : 04/08/2016
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Date Revised : 04/08/2016
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ACRYL-R SM5591 Acrylic Self-Leveling Sealant

Notes: by weight

FLASHPOINT AND METHOD: 12.2°C (54°F) ASTM D56

FLAMMABLE LIMITS: 1.2 to 7.1

Notes: (toluene)

AUTOIGNITION TEMPERATURE: (997°F)

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: Not Determined

BOILING POINT: 110.6°C (231°F)

FREEZING POINT: Not Determined

MELTING POINT: Not Determined

POUR POINT: Not Determined

SOLUBILITY IN WATER: Insoluble

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not Determined

EVAPORATION RATE: > 1.0 (n-Butyl Acetate=1)

DENSITY: 8.68 lbs/gal

PARTICLE SIZE: Not Determined

SPECIFIC GRAVITY: 1.041

VISCOSITY: Not Determined

MOLECULAR WEIGHT: Not Determined

(VOC): 364.000 gr/L EPA Method 24 VOC

OXIDIZING PROPERTIES: Not Determined

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid fire, sparks, static electricity and hot surfaces.

POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide may form when heated to decomposition.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong acids and strong bases.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

SAFETY DATA SHEET

Date Prepared : 04/08/2016

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ACRYL-R SM5591 Acrylic Self-Leveling Sealant

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Toluene	2600 to 7500 mg/kg	12124 mg/kg	8000 ppm (4- hr dose)
Zemasol	3705 mg/kg	> 5000 mg/kg (rabbits)	> 16000 ppm

SERIOUS EYE DAMAGE/IRRITATION: Eyes, nose, throat, respiratory tract irritation.

CARCINOGENICITY

Chemical Name	IARC Status
Toluene	3

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This product contains components that will normally float on water. These components may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

ECOTOXICOLOGICAL INFORMATION: Contains components that are potentially toxic to freshwater and saltwater ecosystems.

BIOACCUMULATION/ACCUMULATION: Contains components with the potential to bio-accumulate.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Adhesives

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1133

PACKING GROUP: II

NAERG: 128

MARINE POLLUTANT #1: None

VESSEL (IMO/IMDG)

SHIPPING NAME: Adhesives

UN/NA NUMBER: 1133

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

MARINE POLLUTANT #1: None

15. REGULATORY INFORMATION

UNITED STATES

SAFETY DATA SHEET

Date Prepared : 04/08/2016
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Date Revised : 04/08/2016
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ACRYL-R SM5591 Acrylic Self-Leveling Sealant

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Flammable
Liquid

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Toluene	25 - 30	108-88-3

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Toluene	25 - 30	1,000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Toluene	108-88-3
Zemasol	NA

CLEAN AIR ACT

Chemical Name	Wt. %	CAS
Toluene	25 - 30	108-88-3

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Toluene	New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Toxic Use Reduction Act (TURA) Reportable Chemical
Zemasol	Massachusetts Right to Know List Pennsylvania Right to Know List Rhode Island Right to Know List

CALIFORNIA PROPOSITION 65: This product contains toluene, a chemical known to the state of California to cause birth defects or other reproductive harm.

Chemical Name	Wt. %	Listed
Toluene	25 - 30	Developmental Toxicity

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION

SAFETY DATA SHEET

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ACRYL-R SM5591 Acrylic Self-Leveling Sealant



Flammable
Liquid



Toxic

16. OTHER INFORMATION

Date Revised: 04/08/2016

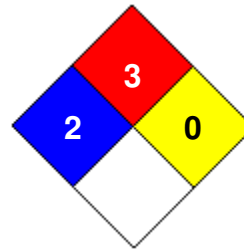
INFORMATION CONTACT: (972) 438-9111

REVISION SUMMARY: This MSDS replaces the 04/08/2016 MSDS. Revised: **Section 1:** Date Issued.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



GENERAL STATEMENTS: Keep out of reach of children
 For professional or industrial use only

MANUFACTURER DISCLAIMER: This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.

To the best of our knowledge, the information contained in this SDS is accurate. It is intended to assist the user in his/her evaluation of the product's hazards and safety precautions to be taken in its use. The data in this SDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

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