

Powered by mechnano

MECHNANO, LLC | 3850 Baseline Rd., Suite 125 | Mesa, AZ85206

SAFETY DATA SHEET

1. Identification

Product Name Recommended Use Uses Advised Against Supplier Information ESD - RIGID (B9R-ESD-RIGID) Additive Manufacturing

MECHnano, LLC 3850 E. Baseline Rd. Suite 126 Mesa, AZ 85206 Tel: (+1) 480-648-9919 (+1) 480-648-8950

Emergency Telephone Number

2. Hazard(s) Identification

Classification	
	cordance with 29 CFR 1910 (OSHA HCS)
This substance is not cons	idered hazardous
GHS Label elements	
Pictogram	
Cirral Word	
Signal Word	Warning
	This product contains nanoparticles. Nanoparticles are particles which have at least
	one dimension <100 nanometers. Nanoparticles may or may not exhibit size-related
	properties that differ significantly from the properties of the bulk material. These size-
	related properties may affect absorption, inhalation, and toxicity of the material in
Hazard Statements	animals, humans, and aquatic life.
H317	May aquad an alleraid akin reaction
H319	May cause an allergic skin reaction Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects
Precautionary Statement	
P202	Do not handle until all safety precautions have been read and understood
P262	Do not get in eyes, on skin, or on clothing
P280	Wear protective gloves, protective clothing, eye protection
P273	Avoid release to the environment
P264	Wash skin thoroughly after handling
Precautionary Statement	
	IF ON SKIN: gently wash with plenty of soap and water
P305 P351 P338	IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present
	and easy to do. Continue rinsing
P306	IF ON CLOTHING: wash contaminated clothing before reuse
Precautionary Statement	
P403	Store in a dry place
P410	Protect from sunlight
Precautionary Statement	
P501	Dispose of contents/container to an approved waste disposal plant in accordance with
	local/regional regulations.
Hazards not otherwise c	
none	· ·







MECHNANO, LLC | 3850 Baseline Rd., Suite 125 | Mesa, AZ85206

3. Composition | Information on Ingredients

Chemical Name	CAS - No	Weight %	Trade Secret	Hazard
MECH ^t			*	Not hazardous
Multifunctional Methacrylate		40-60	*	Not hazardous
Polyether Urethane Methacrylate		10-30	*	Not hazardous
Methacrylate Monomer(s)	*	15-45	*	Skin Irritant, Eye Irritant, Skin Sens.; H315, H319, H317
Photoinitiator(s)	*	<1%	*	Repr. 2; H361 Aquatic Chronic 2; H411

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. First Aid Measures

Description of first aid measures

General Notes	Show this Safety Data Sheet to the doctor in attendance.	
Eye contact	Flush eyes with water for at least 15 minutes. Get medical attention if eye irritation develops or persists.	
Skin Contact	Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse.	
Inhalation	Move to fresh air, if symptoms persist, call a physician.	
Ingestion	If swallowed, rinse mouth, Get medical attention. DO NOT induce vomiting.	
Most important symptoms and effects, both acute and delayed No information available Indication of any immediate medical attention and special treatment needed Note to physicians Treat symptomatically		

5. Fire-Fighting Measures

Extinguishing media Suitable extinguishing media	Use CO ₂ , dry chemical, or foam	
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire	
Special hazards arising from the substance or mixture Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke. Explosion data		
Sensitivity to Mechanical Impact	None	
Sensitivity to Static Discharge	None	
Special protective equipment for fire-fighters		

Wear full protective clothing, including helmet, self-contained positive-pressure or pressure demand breathing apparatus, protective clothing, and facemask.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Ensure adequate ventilation, Wear protective gloves/clothing and eye/face protection **Environmental precautions**

Do not allow material to contaminate ground water system; try to prevent the material from entering drains or water courses, See Section 12 for additional Ecological Information, local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Soak up spill with inert absorbent material. Use personal protective equipment. Place used absorbent into suitable, covered, labeled waste disposal container.







MECHNANO, LLC | 3850 Baseline Rd., Suite 125 | Mesa, AZ85206

Reference to other sections See section 13 for disposal

7. Handling and Storage

Precautions for safe handling Handling

Handle in accordance with good industrial hygiene and safety practices

- Provide adequate ventilation
- Use suitable protective equipment
- Protect from light
- Avoid contact with skin and eyes
- Do not allow to enter drains or watercourses

Conditions for safe storage, including any incompatibilities

Storage

- Store sealed in the original container at room temperature
- Keep indoors in a cool, dry, well-ventilated place
- Store out of direct sunlight or UV light sources .
- Extended storage temperature not exceeding 32°C | 90°F

8. Exposure Controls | Personal Protection

Control Parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Appropriate engineering controls	 Showers Eyewash stations Ventilation systems 	
Individual protection measures (personal protective equipment)	Eye Face Skin and Body Respiratory	Safety glasses with side-shields Protective gloves and protective clothing None under normal use conditions
Hygiene Measures	Respiratory	None under normal use conditions

When using, do not eat, drink, or smoke. Wash hands after handling and before eating, smoking, and using the lavatory and at the end of the day. Regular cleaning of equipment, work area and clothing is recommended.

9. Physical and Chemical Properties

Information on basic physical and chemical properties			
Physical state	Liquid		
Appearance	Opaque		
Color	Black		
Odor	Characteristic		
Odor threshold	No information available		
Property	Value	Remarks Method	
рН		No information available	
Melting Point Freezing P	Point	No information available	
Boiling Point Boiling Ra	nge >100°C	No information available	
Flash Point	>94°C >201°F		
Evaporation rate		No information available	
Flammability (solid, gas)		No information available	
Flammability Limits in Air		No information available	
upper flammability limit			
lower flammability limit			
Vapor Pressure		No information available	
Vapor Density		No information available	
Specific Gravity	~ 1.1 g/cm ³		
Water Solubility	Practically insoluble		
Solubility in other solvent	ts	No information available	
-			







MECHNANO, LLC | 3850 Baseline Rd., Suite 125 | Mesa, AZ85206

Partition coefficient: noctanol/water Autoignition Temperature Decomposition Temperature Viscosity Flammable Properties Explosive Properties Oxidizing Properties Other information Softening point Molecular weight VOC Content (%) Density Bulk Density

10.

878.1 cPs @25°C Not flammable

No information available

No information available No information available No information available

No information available No information available

C Density No information available Stability and Reactivity

Reactivity Chemical Stability Possibility of Hazardous Reactions Conditions to Avoid Incompatible Materials	Does not react under normal conditions of use and storage Stable under recommended handling and storage conditions None under normal processing Protect from light and heat. Avoid storing Amines, Strong oxidizing agents, Strong acids, Strong bases, Oxygen
	scavengers
Hazardous Decomposition Products	No decomposition if stored and applied as directed

11. Toxicological Information

Information on toxicological effects Acute Toxicity Product Data: Based on available data, the Component Data:	classification criteria are not	met.
Component Name	Route	Result
Photoinitiator(s)	Oral	LD50 >5,000 mg/kg (rat)
	Dermal	LD50 >2,000 mg/kg (rat) (OECD 402)
Likely routes of exposure		
Inhalation	No information available	
Eye contact	May cause eye irritation	
Skin Contact	May cause an allergic skin reaction	
Ingestion	No information available	
Symptoms	No information available	
Delayed and immediate effects as well as chronic effects from short and long-term exposure		
Sensitization	No information available	
Mutagenic effects	No information available	
Reproductive toxicity	Suspected of damaging fertility or the unborn child (photoinitiator(s))	
Carcinogenicity	Classification criteria are not met	
Aspiration hazard	No information available	
Other adverse effects	No information available	

12. Ecological Information

Acute aquatic toxicity Product Information Persistence and degradability	No information available
Photoinitiator(s)	This substance is not readily biodegradable.
Bioaccumulation	
Photoinitiator(s)	A significant bioaccumulation is not expected.
Mobility in soil	
Photoinitiator(s)	Low potential for adsorption







13. Disposal Considerations

Waste Treatment Methods

Waste Disposal Methods

The material, as supplied is not a hazardous waste according to Federal regulations (40 CFR 261) Contaminated packaging

Dispose of in accordance with local regulations

14. Transport Information

UN Number UN Proper Shipping Name UN transport hazard class(es) Packing group	UN3082 Environmentally hazardous liquid, N.O.S. Methacrylate Polymer 9 III
Environmental hazards	Marine Pollutant
Special Precautions for User Land Transport (DOT)	None DOT: 49 CFR 171.4(c)(2); Not regulated as dangerous goods when transported in single or inner packaging of 5 L or less for liquids or net mass of 5 Kg or less for solids provided the packaging meets the requirements of 49 CFR 173.24(a)
Air Transport (ICAO-IATA)	This product is not regulated as a dangerous good when transported in sizes of \leq 5L or 5 \leq kg provided the packaging meets the general provisions of 5.0.2.4.1, 5.0.2.6.1 and 5.0.2.8.
Sea Transport (IMDG-IMO)	Not regulated

15. Regulatory Information

International Inventories			
TSCA	Complies		
DSL NDSL	Complies		
US Federal R	egulations		
OSHA	This material is not consi 1910.1200)	dered hazardous by the OSHA Hazard Communication Standard (29 CFR	
SARA 313	This product does not co	the Superfund Amendments and Reauthorization Act of 1986 (SARA). ntain any chemicals which are subject to the reporting requirements of the ode of Federal Regulations, Part 372	
CERCLA	This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.		
US State RegulationsCalifornia Proposition 65U.S. State Right-to-KnowRegulationsThis product does not contain any Proposition 65 chemicals.This product does not contain any substances regulated under applicable state right-to-know regulations		This product does not contain any substances regulated under	

16. Other Information

Prepared By
Revision Date
Revision NotesMechnano, LLC
2021-04-19DisclaimerNot applicable
The information provided on this SDS is correct to the best of our knowledge, information
and belief at the date of its publication. The information given is designed only as a guide
for safe handling, use, processing, storage, transportation, disposal and release and is
not to be considered as a warranty or quality specification. The information relates only to
the specific material designated and may not be valid for such material used in
combination with any other material or in any process, unless specified in the text.



