SafetyDataSheet

IssueDate:12-Oct-2015 **RevisionDate:**15-Oct-2015 **Version** 1

1. IDENTIFICATION

Product Identifier
Product Name Bonding Liner (Stock No.RUC11E)

Other means of identification
SDS# RUC11E
ProductCode Stock No.RUC11E
UN/ID NoUN1247

Recommended use of the chemical and restrictions on use
Recommended Use Bonding liner.

Details of the supplierof thesafety data sheet
Supplier Address
ProTech Professional Products, Inc.
2900 Commerce Park Dr. Suite 10
Boynton Beach FL, 33426

Emergency Telephone Number
CompanyPhoneNumber (561)493-9818
EmergencyTelephone(24hr) INFOTRAC 1-352-323-3500(International)
1-800-535-5053(NorthAmerica)

2. HAZARDS IDENTIFICATION

Appearance Clear colorless liquid **Physical State** Liquid **Odor** Sweet, sharp

Classification

Skin corrosion/irritation	Category2
Serious eye damage/eye irritation	Category2
Skin sensitization	Category1
Specific target organ toxicity(single exposure)	Category3
FlammableLiquids	Category2

Hazards Not Otherwise Classified(HNOC)
Maybe harmful if swallowed
Maybe harmful if inhaled

Signal Word
Danger

Hazard Statements
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause respiratory irritation
Highly flammable liquid and vapor

Precautionary Statements-Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/openflames/hotsurfaces.—No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof equipment
Use only non-sparking tools
Take precautionary measures against staticdischarge
Keep cool

Precautionary Statements-Response

IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do.Continue rinsing
If eye irritation persists:Get medical advice/attention
IF ON SKIN (or hair):Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a poison center or doctor/physician if you feel unwell
IN CASE OF FIRE: Use CO2, dry chemical,or foam for extinction

Precautionary Statements-Storage

Store in a well-ventilated place.Keep container tightly closed
Store locked up

Precautionary Statements-Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

ChemicalName	CAS No	Weight-%
Methyl methacrylate	80-62-6	40-99.9

If Chemical Name/CAS No is"proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

EyeContact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.If eye irritation persists: Get medical advice/attention.

SkinContact IF ON SKIN (or hair):Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.Wash contaminated clothing before reuse.If skin irritation or rash occurs:Get medical advice/attention.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen.If not breathing, give artificial respiration. Get medical attention if you feel unwell.

Ingestion Induce vomiting only if advised by medical personnel. Get medical attention.

Most important symptoms and effects

Symptoms Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Chemical foam.Carbon dioxide(CO2). Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Highly flammable liquid and vapor. Exposure to heating, sunlight or oxidizers may cause explosive polymerization.

Hazardous Combustion Products Toxic gases may be formed by fire. Carbon monoxide. Carbon dioxide(CO2).

Sensitivity to Static Discharge Take precautionary measures against static discharge.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions.protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required. Wear protective clothing as described in Section 8 of this safety data sheet. Remove all sources of ignition. Ventilate affected area.

Environmental Precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment andcleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Soak up with inert absorbent material. Place in appropriate containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Protect container from physical damage. Wash face, hands, and any exposed skin thoroughly after handling. Avoid breathing vapors or mists. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Keep away from heat/sparks/open flames/hot surfaces — No smoking. Ground/bond container and receiving equipment. Use non-sparking hand tools and explosion-proof electrical equipment. Take precautionary measures against static discharges.

Conditions for safe storage.including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from heat and incompatible materials. Do NOT store under pure nitrogen or oxygen-free gas. Protect from direct sunlight. Keep storage temperature below 30°C/86°F. Store locked up.

Incompatible Materials Polymerization initiators such as peroxide, persulfate, amine, light, strong acids, strong bases. Oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH

Methyl methacrylate _ 80-62-6	STEL:100ppm_ TWA: 50ppm	TWA: 100 ppm TWA: 410mg/m^3(vacated) TWA:100 ppm (vacated)TWA:410 mg/m^3	IDLH:1000 ppm TWA: 100 ppm TWA: 410 mg/m^3

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/FaceProtection Safety goggles or glasses. Refer to 29CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection Wear latex or other impervious rubber gloves. Refer to 29CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Refer to 29CFR1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Contaminated work clothing must not be allowed out of the workplace. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Clear colorless liquid	**Odor**	Sweet, sharp
Color	Colorless	**Odor Threshold**	Not determined

Property	**Values**	**Remarks•Method**
pH	Not applicable	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	101 °C /213 °F	Based on MMA
Flash Point	10 °C /50 °F	Based on flash point of MMA
Evaporation Rate	Not determined	
Flammability (Solid,Gas)	Liquid-not applicable	
Upper Flammability Limits	12% by volume(MMA)	
Lower Flammability Limit	2% by volume(MMA)	
Vapor Pressure	Not determined	
Vapor Density	3.5(MMA)	
Specific Gravity	0.94@ 20°C (MMA)	
Water Solubility	<1.7wt%	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	420 °C /788 °F	Based on MMA
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Exposure to heating,sunlight or oxidizers may cause explosive polymerization	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
See "Hazardous Polymerization" below.

Hazardous Polymerization Exposure to heating, sunlight or oxidizers may cause explosive polymerization.

Conditions to Avoid
See Sec. 7 Handling & Storage.

Incompatible Materials
Polymerization initiators such as peroxide, persulfate, amine, light,strong acids, strong bases.Oxidizers.

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide(CO2).

11.TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

EyeContact Causes serious eye irritation.

Skin Contact May cause an allergic skin reaction. Causes skin irritation.

Inhalation May be harmful if inhaled. May cause respiratory irritation.

Ingestion May be harmful if swallowed

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl methacrylate 80-62-6	=7872mg/kg (Rat)= 7900mg/kg (Rat)	>5g/kg (Rabbit)	=4632 ppm (Rat) 4h
4-methacryloxyethyltrimellitic Acid Anhydride (4META) 70293-55-9	>2 g/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause an allergic skin reaction.

Carcinogenicity Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Methyl methacrylate 80-62-6		Group 3		

Legend
IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"

STOT- single exposure May cause respiratory irritation.

Numerical measures of toxicity
Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Methyl methacrylate 80-62-6	170:96h Pseudokirchneriella subcapitata mg/L EC50	326.4-426.9:96 h Poecilia reticulata mg/L LC50 static 153.9 - 341.8: 96 h Lepomis macrochirus mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 170 – 206 : 96 h Lepomis macrochirus mg/L LC50 flow-through 79: 96 h Oncorhynchus mykiss mg/L LC50 static 243 - 275: 96 h Pimephales promelas mg/L LC50 flow-through 125.5 - 190.7: 96 h Pimephales promelas mg/L LC50 static		69: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Moderately degradable.

Bioaccumulation

This material is not expected to significantly bioaccumulate.

Mobility

Chemical Name	Partition Coefficient
Methyl methacrylate 80-62-6	0.7

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

DisposalofWastes Disposalshouldbeinaccordancewithapplicableregional,nationalandlocallawsand regulations.

ContaminatedPackaging Disposalshouldbeinaccordancewithapplicableregional,nationalandlocallawsand regulations.

US EPAWasteNumber

ChemicalName	RCRA	RCRA-BasisforListing	RCRA-D SeriesWastes	RCRA-U SeriesWastes
Methylmethacrylate 80-62-6	U162	Includedinwastestream: F039		U162

CaliforniaHazardousWasteStatus

ChemicalName	CaliforniaHazardousWaste Status
Methylmethacrylate 80-62-6	Toxic Ignitable

14.TRANSPORTINFORMATION

NotePleaseseecurrentshippingpaperfor mostuptodateshipping information,including exemptionsandspecialcircumstances.

DOT

UN/ID No UN1247

Proper ShippingName Methyl methacrylatemonomer, stabilized
HazardClass 3
Packing Group II

IATA

UN/ID No UN1247
Proper ShippingName Methyl methacrylatemonomer, stabilized
HazardClass 3
Packing Group II

IMDG

UN/ID No UN1247
Proper ShippingName Methyl methacrylatemonomer, stabilized
HazardClass 3
Packing Group II
MarinePollutant Thismaterialmaymeetthedefinitionofamarinepollutant

15.REGULATORY INFORMATION

International Inventories

ChemicalName	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Methylmethacrylate	Present	X		Present		Present	X	Present	X	X

Legend:

TSCA*-UnitedStatesToxicSubstancesControlActSection8(b)Inventory*

DSL/NDSL*-CanadianDomesticSubstancesList/Non-DomesticSubstancesList*

EINECS/ELINCS*-EuropeanInventoryofExistingChemicalSubstances/EuropeanListofNotifiedChemicalSubstances*

ENCS*-JapanExistingandNewChemicalSubstances* ***IECSC****-*

ChinaInventoryofExistingChemicalSubstances ***KECL****-*

KoreanExistingandEvaluatedChemicalSubstances

PICCS*-PhilippinesInventoryofChemicalsandChemicalSubstances*

AICS*-AustralianInventoryofChemicalSubstances*

US FederalRegulations

CERCLA

ChemicalName	HazardousSubstancesRQs	CERCLA/SARARQ	ReportableQuantity(RQ)
Methylmethacrylate 80-62-6	1000lb		RQ1000lbfinalRQ RQ454 kgfinal RQ

SARA313

Section313 ofTitleIII oftheSuperfundAmendmentsandReauthorizationActof1986(SARA). Thisproductcontainsachemical or chemicalswhicharesubjecttothereportingrequirementsoftheActandTitle 40oftheCode ofFederalRegulations,Part 372

ChemicalName	CASNo	Weight-%	SARA313-Threshold Values%
Methylmethacrylate - 80-62-6	80-62-6	99.9	1.0

CWA(Clean WaterAct)

ChemicalName	CWA-Reportable Quantities	CWA-Toxic Pollutants	CWA- PriorityPollutants	CWA-Hazardous Substances
Methylmethacrylate	1000lb			X

US StateRegulations

CaliforniaProposition 65

ThisproductdoesnotcontainanyProposition65chemicals.

U.S.StateRight-to-KnowRegulations

ChemicalName	NewJersey	Massachusetts	Pennsylvania
Methylmethacrylate 80-62-6	X	X	X

16. OTHER INFORMATION

NFPA	**HealthHazards**	**Flammability**	**Instability**	**SpecialHazards**
	Not determined	Not determined	Not determined	Not determined
HMIS	**HealthHazards**	**Flammability**	**PhysicalHazards**	**PersonalProtection**
	Not determined	Not determined	Not determined	Not determined

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Disclaimer

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EndofSafetyDataSheet