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Identification	
Product identifier	
Trade name: <u>BD310 Part A (Resi</u>	<u>in)</u>
Details of the supplier of the safet Manufacturer/Supplier: Big Dog Adhesives LLC 435 Harrison Street ELKHART, IN 46516 USA	ty data sheet
Information department: Product Emergency telephone number: During normal opening times: +1 24 Hours: CHEMTREC 1-800-424	(520) 271-7313
Hazard(s) identification	
Classification of the substance or	• mixture
GHS02 Flame	
Flammable liquids 2	H225 Highly flammable liquid and vapor.
\mathbf{A}	
GHS07	
\mathbf{A}	H315 Causes skin irritation.
GHS07	
<i>GHS07</i> <i>Skin irritation 2</i> <i>Eye irritation 2A</i> <i>Sensitization - skin 1</i>	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.
<i>GHS07</i> <i>Skin irritation 2</i> <i>Eye irritation 2A</i> <i>Sensitization - skin 1</i>	H315 Causes skin irritation. H319 Causes serious eye irritation.
<i>Skin irritation 2</i> <i>Eye irritation 2A</i> <i>Sensitization - skin 1</i> <i>Specific target organ toxicity (sing</i> <i>Label elements</i>	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.
Skin irritation 2 Eye irritation 2A Sensitization - skin 1 Specific target organ toxicity (sing Label elements GHS label elements The product to Hazard pictograms	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. gle exposure) 3 H335 May cause respiratory irritation.
Skin irritation 2 Eye irritation 2A Sensitization - skin 1 Specific target organ toxicity (sing Label elements GHS label elements The product of Hazard pictograms	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. gle exposure) 3 H335 May cause respiratory irritation.
Skin irritation 2 Eye irritation 2A Sensitization - skin 1 Specific target organ toxicity (sing Label elements GHS label elements The product to Hazard pictograms	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. gle exposure) 3 H335 May cause respiratory irritation. is classified and labeled according to the Globally Harmonized System (GHS) of labeling:

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May cause an allergic skin reaction.	
May cause respiratory irritation.	
Precautionary statements	
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
Ground / bond container and receiving equipment.	
Use explosion-proof [electrical/ventilating/lighting] equipment.	
Use non-sparking tools.	
Take action to prevent static discharge.	
Avoid breathing dust/fume/gas/mist/vapors/spray	
Wash thoroughly after handling.	
Use only outdoors or in a well-ventilated area.	
Contaminated work clothing must not be allowed out of the workplace.	
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.	
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or she	ower].
If inhaled: Remove person to fresh air and keep comfortable for breathing.	
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if presen	it and easy to do.
Continue rinsing.	
Call a poison center/doctor if you feel unwell.	
Specific treatment (see on this label).	
Take off contaminated clothing and wash it before reuse.	
If skin irritation or rash occurs: Get medical advice/attention.	
If eye irritation persists: Get medical advice/attention.	
In case of fire: Use CO2, powder or water spray to extinguish.	
Store in a well-ventilated place. Keep container tightly closed.	
Store in a well-ventilated place. Keep cool.	
Store locked up.	
Dispose of contents/container in accordance with local/regional/national/international regulatio	ns.
Information pertaining to particular dangers for man and environment:	
Classification system:	
· NFPA ratings (scale 0 - 4)	
Health = 2	
Fire = 3	
2 0 Reactivity = 0	
· HMIS-ratings (scale 0 - 4)	
HEALTH *2 $Health = *2$	
FIRE 3 Fire = 3	
REACTIVITY Reactivity = 0	
• Other hazards	
· Results of PBT and vPvB assessment	
· PBT: Not applicable.	
• vPvB: Not applicable.	
Classification according to (d)(1)(ii) of § 1910.12000	
The SDS issuer does not object to the classifications provided by importers or manufactur	rers of precursor
products.	
Hazards not otherwise classified	
There are no adverse physical or health effects known that are not covered by the hazard class	ses of the Hazard
Communications Standard.	
	LIC

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	al characterization: Mixtures			
• Description: Mixture of the substances listed below with nonhazardous additions.				
· Danger	ous components:			
80-62-6	methyl methacrylate	45-70%		
	Methacrylic Acid	3-8% *		

4 First-aid measures

· Description of first aid measures

- General information: Immediately remove any clothing soiled by the product.
- After inhalation:

Supply fresh air and to be sure call for a doctor.

- In case of unconsciousness place patient stably in side position for transportation.
- *After skin contact: Immediately wash with water and soap and rinse thoroughly.*
- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- *After swallowing: If symptoms persist consult doctor.*
- *Most important symptoms and effects, both acute and delayed* No further relevant information available. • *Indication of any immediate medical attention and special treatment needed* No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

 \cdot Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13.
- Ensure adequate ventilation.
- · Protective Action Criteria for Chemicals

• PAC-1:		
80-62-6	methyl methacrylate	17 ppm
79-41-4	Methacrylic Acid	6.7 ppm
80-15-9	α, α-dimethylbenzyl hydroperoxide	0.15 ppm
	· · · · · · · · · · · · · · · · · · ·	(Contd. on page 4)

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617-94-7 2-Phenyl-2-propanol	(Contd. of page
	0.7 ppm
98-82-8 Cumene	50 ppm
98-86-2 acetophenone	30 ppm
<i>PAC-2:</i>	
80-62-6 methyl methacrylate	120 ppi
79-41-4 Methacrylic Acid	61 ppm
80-15-9 α, α-dimethylbenzyl hydroperoxide	1.6 ppn
617-94-7 2-Phenyl-2-propanol	7.7 ppn
98-82-8 Cumene	300 ppi
98-86-2 acetophenone	330 ppi
PAC-3:	
80-62-6 methyl methacrylate	570 ppm
79-41-4 Methacrylic Acid	220 ppm
80-15-9 α, α-dimethylbenzyl hydroperoxide	9.7 ppm
617-94-7 2-Phenyl-2-propanol	46 ppm
98-82-8 Cumene	730 ppm
98-86-2 acetophenone	2000* ppi

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- \cdot Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.
 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Control parameters

· Components with limit values that require monitoring at the workplace:

80-62-6 methyl methacrylate

PEL Long-term value: 410 mg/m³, 100 ppm

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D	(Contd. of page 4
	Long-term value: 410 mg/m ³ , 100 ppm
TLV	Short-term value: 100 ppm
	Long-term value: 50 ppm DSEN, A4
79-4	1-4 Methacrylic Acid
	Long-term value: 70 mg/m ³ , 20 ppm
1122	Skin
TLV	Long-term value: 20 ppm
	tional information: The lists that were valid during the creation were used as basis.
	sure controls
	opriate engineering controls No further data; see section 7.
	onal protective equipment:
	ral protective and hygienic measures:
	away from foodstuffs, beverages and feed.
	ediately remove all soiled and contaminated clothing.
	n hands before breaks and at the end of work. I contact with the eves and skin.
	thing equipment:
	se of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure us
	ratory protective device that is independent of circulating air.
	ection of hands:
The	Protective gloves
Due	glove material has to be impermeable and resistant to the product/ the substance/ the preparation. to missing tests no recommendation to the glove material can be given for the product/ the preparation/ th ical mixture.
	tion of the glove material on consideration of the penetration times, rates of diffusion and the degradation rial of gloves
varie	election of the suitable gloves does not only depend on the material, but also on further marks of quality an s from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of love material can not be calculated in advance and has therefore to be checked prior to the application.
	tration time of glove material
	exact break through time has to be found out by the manufacturer of the protective gloves and has to b
obser	
Eye	protection:
(
	Tightly sealed goggles
Pny	sical and chemical properties
	mation on basic physical and chemical properties
	ral Information inclustate

- · Physical state · Color:
- · Odor:

Fluid According to product specification Characteristic

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Odor threshold:	Not determined.
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	101 °C (213.8 °F)
Flammability:	Highly flammable.
Explosion limits:	
Lower:	2.1 Vol %
Upper:	12.5 Vol %
Flash point:	10 °C (50 °F)
Auto igniting:	430 °C (806 °F)
Decomposition temperature:	Not determined.
pH-value:	Not determined.
Viscosity:	
Kinematic:	Not determined.
Dynamic:	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Vapor pressure at 20 °C (68 °F):	47 hPa (35.3 mm Hg)
Vapor pressure:	
Density at 20 °C (68 °F):	0.97 g/cm ³ (8.09465 lbs/gal)
Relative density	Not determined.
Bulk density:	$970 \ kg/m^3$
Vapor density	Not determined.
Particle characteristics	Not applicable.
Other information	
Appearance:	
Form:	Fluid
Important information on protection of healt	
environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive
2 anger of expression	air/vapor mixtures are possible.
Solvent content:	
Organic solvents:	≤0.0 %
VOC content:	≤62.81 %
	$\leq 609.2 \ g/l \ \leq 5.08 \ lb/gal$
Solids content:	0.0 %
Change in condition	
Evaporation rate	Not determined.

10 Stability and reactivity

• *Reactivity* No further relevant information available.

· Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions No dangerous reactions known.

• *Conditions to avoid No further relevant information available.*

· Incompatible materials: No further relevant information available.

· Hazardous decomposition products: No dangerous decomposition products known.

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· Informa · Acute to		toxicological effects	
	•	s that are relevant for classification:	
ATE (A	cute To	xicity Estimate)	
Oral	LD50	66,000 mg/kg (rat)	
Dermal	LD50	25,000 mg/kg (rabbit)	
80-62-6	methy	methacrylate	
Oral	LD50	7,872 mg/kg (rat)	
79-41-4	Metha	crylic Acid	
Oral	LD50	1,332 mg/kg (mouse)	
		1,320 mg/kg (rat)	
Dermal	LD50	500 mg/kg (rabbit)	
• Sensitiz • Addition The pro Irritant • Interact	ation: S nal toxi duct sh tive effe	tating effect. Sensitization possible through skin contact. cological information: ows the following dangers according to internally approved calculation methods for prej cts No interactive effects between components are known. ategories	parations
· IARC (I	Interna	tional Agency for Research on Cancer)	
80-62-6	methy	l methacrylate	3
98-82-8	Cume	ne	21
· NTP (N	ational	Toxicology Program)	i
98-82-8	Cume	10	1
	G (0	num ation of Surfate 9 Hardth Administration)	
· OSHA-	Ca (Oci	cupational Safety & Health Administration)	

• Alternative sources for toxicological information No non-standard sources for toxicological information where used.

12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- Other adverse effects
- Additional ecological information:
- · General notes:
- Water hazard class 3 (Self-assessment): extremely hazardous for water

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Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

UN-Number	
DOT, IMDG, IATA	UN1993
UN proper shipping name	
DOT	Flammable liquids, n.o.s. (Methyl methacrylate monome stabilized)
IMDG	FLAMMABLE LIQUID, N.O.S. (METHYL METHACRYLAT MONOMER, STABILIZED)
IATA	Flammable liquid, n.o.s. (METHYL METHACRYLAT MONOMER, STABILIZED)
Transport hazard class(es)	
DOT	
Class	3 Flammable liquids
Label	3
IMDG, IATA	
Class	3 Flammable liquids
Label	3
Packing group DOT, IMDG, IATA	Π
Environmental hazards:	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
·IMDG	
· Limited quantities (LQ)	lL
\cdot Excepted quantities ($\widetilde{E}Q$)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· Special precautions for user	Warning: Flammable liquids
• Hazard identification number (Kemle	er code): 33
EMS Number:	F-E,S-E
Stowage Category	B
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (METHY
-	METHACRYLATE MONOMER, STABILIZED), 3, II

15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

· Sara

• Section 355 (extremely hazardous substances): None of the ingredients is listed.

• Section 313 (Specific toxic chemical listings):

80-62-6 methyl methacrylate

80-15-9 α, α-dimethylbenzyl hydroperoxide

98-82-8 Cumene

98-86-2 acetophenone

• TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Hazardous Air Pollutants

80-62-6 methyl methacrylate

98-82-8 Cumene 98-86-2 acetophenone

· Proposition 65

• Chemicals known to cause cancer:

98-82-8 Cumene

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

• Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

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• Carcino	genic categories		
· EPA (Environmental Protection Agency)			
80-62-6	methyl methacrylate	E, NL	
98-82-8	Cumene	D, CBD	
98-86-2	acetophenone	D	
· TLV (Threshold Limit Value)			
80-62-6	methyl methacrylate	A4	
MIOGH			

·NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

• *GHS label elements* The product is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



· Signal word Danger

· Hazard-determining components of labeling: methyl methacrylate · Hazard statements Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation. · Precautionary statements Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. *Ground / bond container and receiving equipment.* Use explosion-proof [electrical/ventilating/lighting] equipment. Use non-sparking tools. Take action to prevent static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. (Contd. on page 11)

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· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: Environment protection department.
- · Contact: -
- Date of previous version 12/11/2024
- Date of preparation 12/11/2024
- Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Flammable liquids 2: Flammable liquids – Category 2 Skin irritation 2: Skin corrosion/irritation – Category 2 Eye irritation 2A: Serious eye damage/eye irritation - Category 2A Sensitization - skin 1: Skin sensitisation - Category 1 Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3 • * Data compared to the previous version altered.