



Material Safety Data Sheet

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Revision Date : 07/08/2010

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Commercial Product Name: **PASTE**

Part number: AMV18800102

Version : 3.0

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PASTE
MSDS Number : 888100000184
Product Use Description : Sealing material for various uses
Company : Volkswagen of America
3800 Hamlin Road
Auburn Hills, Michigan
USA 48326
Telephone : 248 754 4944
8:00 am. – 5:00 pm. EST
Telefax : 248 754 4943
Emergency telephone : 1 800 255 3924 Contract #: MIS0004313

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Regulatory status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word : WARNING
Form : paste
Odour : aromatic
Odour - Control parameters : no data available
Hazard Summary : Toxic
Sensitiser

Potential Health Effects

Eyes : May cause eye irritation.
Skin : May cause skin irritation.
May cause allergic skin reaction.
Harmful if absorbed through skin.
Target Organs : Skin
Eyes

Carcinogenicity:

ACGIH : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP : No component of this product present at levels greater than or



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- equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- IARC** : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- OSHA** : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- CA Prop 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent
Ethene, homopolymer	9002-88-4	>= 10 - < 12.5
Methacrylic acid, monoester with propane-1,2-diol	27813-02-1	>= 7 - < 10
Decyl methacrylate	3179-47-3	>= 5 - < 7
Silicon dioxide	7631-86-9	>= 3 - < 5
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide	81-07-2	>= 1 - < 1.5
2-hydroxyethyl methacrylate	868-77-9	>= 1 - < 1.5
.alpha.-.alpha.-dimethylbenzyl hydroperoxide; cumene hydroperoxide	80-15-9	>= 1 - < 1.5

SECTION 4. FIRST AID MEASURES

- General advice** : Move out of dangerous area. Never give anything by mouth to an unconscious person. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). When symptoms persist or in all cases of doubt seek medical advice.
- Inhalation** : Remove to fresh air. Keep patient warm and at rest.
- Skin contact** : Wash off immediately with soap and plenty of water.
- Eye contact** : Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



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Ingestion : If swallowed, seek medical advice immediately and show this container or label. If a person vomits when lying on his back, place him in the recovery position.

SECTION 5. FIRE-FIGHTING MEASURES

Form : paste
 Flash point : > 100.0 °C (> 212.0 °F)

Suitable extinguishing media : Water
 Foam
 Dry chemical
 Sand

Specific hazards during fire fighting : Fire will produce dense black smoke containing hazardous combustion products (see section 10).

Special protective equipment for fire-fighters : Use personal protective equipment.

Further information : Standard procedure for chemical fires.
 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
 In the event of fire, cool tanks with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Refer to protective measures listed in sections 7 and 8.
 Ventilate the area.

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

CERCLA Hazardous substances and corresponding RQs :

	1,2-Benzisothiazol-3(2H)-one 1,1-dioxide	81-07-2	100 lbs <i>final RQ</i>
	.alpha.-.alpha.-dimethylbenzyl hydroperoxide; cumene hydroperoxide	80-15-9	10 lbs <i>final RQ</i>



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SECTION 7. HANDLING AND STORAGE

Handling

Handling : Avoid contact with skin and eyes.
 Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
 For personal protection see section 8.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.
 Dust explosion class : not applicable

Storage

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

Storage period : 12 Months

Storage temperature : 25 °C (77 °F)

Other data : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components	CAS-No.	List	Type:	Value	Update
Silicon dioxide	7631-86-9	OSHA Z3	TWA	20 million particles per cubic foot	2007-01-01
alpha.-.alpha.-dimethylbenzyl hydroperoxide; cumene hydroperoxide	80-15-9	US WEEL	TWA	1 ppm	2008-01-01

Engineering measures : Provide adequate ventilation.

Eye protection : In case of splash hazard, please wear protective goggles.



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- Hand protection : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
- Skin and body protection : Long sleeved clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Wash hands before breaks and at the end of workday.
When using do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : paste
- Odour : aromatic
- Flash point : > 100.0 °C (> 212.0 °F)
- Thermal decomposition : No decomposition if stored and applied as directed.
- Density : 1.05 g/cm³
at 20 °C (68 °F) Method: DIN 51757
- Water solubility : insoluble
- Viscosity, dynamic : ca. 20,000 mPa.s
at 25 °C (77 °F)
- Volatile organic compounds (VOC) content : 0 %

SECTION 10. STABILITY AND REACTIVITY

- Conditions to avoid : Exposure to sunlight.
- Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.



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Thermal decomposition : No decomposition if stored and applied as directed.

Hazardous reactions : Note: Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat
Dose: > 5,000.0 mg/kg

Skin irritation : Result: Skin irritation
Prolonged skin contact may cause skin irritation and/or dermatitis.

Eye irritation : Result: Eye irritation
Contact with eyes may cause irritation.

Carcinogenicity : No data is available on the product itself.
Reproductive toxicity : No data is available on the product itself.
Teratogenicity : No data is available on the product itself.

Component:

Ethene, homopolymer 9002-88-4 Skin irritation: Classification: Irritating to skin.
Result: Mild skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

Methacrylic acid, monoester with propane-1,2-diol 27813-02-1 Acute oral toxicity: LD50 rat
Dose: 11,200 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: > 5,000 mg/kg

Sensitisation: May cause sensitization by skin contact.

Decyl methacrylate 3179-47-3 Skin irritation: Classification: Irritating to skin.
Result: Skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Eye irritation

1,2-Benzisothiazol-3(2H)-one 1,1-dioxide 81-07-2 Acute oral toxicity: LD50 mouse
Dose: 17,000 mg/kg

Skin irritation: Classification: Irritating to skin.
Result: Mild skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation



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2-hydroxyethyl methacrylate	868-77-9	<u>Acute oral toxicity</u> : LD50 rat Dose: 5,050 mg/kg <u>Skin irritation</u> : Classification: Irritating to skin. Result: Skin irritation <u>Eye irritation</u> : Classification: Irritating to eyes. Result: Eye irritation <u>Sensitisation</u> : May cause sensitization by skin contact.
.alpha.-.alpha.-dimethylbenzyl hydroperoxide; cumene hydroperoxide	80-15-9	<u>Acute oral toxicity</u> : LD50 rat Dose: 382 mg/kg <u>Acute dermal toxicity</u> : LD50 rat Dose: 500 mg/kg <u>Skin irritation</u> : Classification: Causes burns. Result: Severe skin irritation <u>Eye irritation</u> : Classification: Causes burns. Result: Risk of serious damage to eyes.

SECTION 12. ECOLOGICAL INFORMATION

Adsorbed organic bound halogens (AOX) : not included
Volatile organic compounds (VOC) content : 0 %
Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

Component:

Methacrylic acid, monoester with propane-1,2-diol	27813-02-1	<u>Toxicity to fish</u> : LC50 Species: Leuciscus idus (Golden orfe) Dose: 493 mg/l Exposure time: 48 h <u>Toxicity to bacteria</u> : EC10 Species: Pseudomonas putida Dose: 1,140 mg/l Exposure time: 16 h
2-hydroxyethyl methacrylate	868-77-9	<u>Toxicity to fish</u> : LC50 Species: Pimephales promelas (fathead minnow) Dose: 227 mg/l Exposure time: 96 h



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.alpha.-alpha.-dimethylbenzyl
hydroperoxide; cumene
hydroperoxide

80-15-9

Toxicity to fish:

LC50

Species: Oncorhynchus mykiss (rainbow trout)

Dose: 3.9 mg/l

Exposure time: 96 h

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : Where possible recycling is preferred to disposal or incineration.

SECTION 14. TRANSPORT INFORMATION

DOT 49 CFR

Not dangerous goods

TDGR

Not dangerous goods

ICAO / IATA-DGR

Not dangerous goods

IMDG-Code

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Moderate skin irritant
Moderate eye irritant
Toxic by skin absorption
Skin sensitiser

TSCA Status : On TSCA Inventory

DSL Status : This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.

Decyl methacrylate

3179-47-3

SARA 311/312 Hazards : Acute Health Hazard



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CERCLA Reportable Quantity : 1,000 lbs

ZUS_SAR313 US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Components	CAS-No.
<u>.alpha.-.alpha.-dimethylbenzyl hydroperoxide; cumene hydroperoxide</u>	<u>80-15-9</u>
<u>1,2-Benzisothiazol-3(2H)-one 1,1-dioxide</u>	<u>81-07-2</u>

ZUS_SAR302 US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

ZUSPA_RTK US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Components	CAS-No.
<u>polyurethanedimethacrylate</u>	<u>18358-13-9</u>
<u>Decyl methacrylate</u>	<u>3179-47-3</u>
<u>(1-Methylethylidene)bis(4,1-phenyleneoxy-2,1-ethanediyl) bismethacrylate</u>	<u>24448-20-2</u>
<u>Ethene, homopolymer</u>	<u>9002-88-4</u>
<u>Methacrylic acid, monoester with propane-1,2-diol</u>	<u>27813-02-1</u>
<u>Silicon dioxide</u>	<u>7631-86-9</u>
<u>1,2-Benzisothiazol-3(2H)-one 1,1-dioxide</u>	<u>81-07-2</u>
<u>.alpha.-.alpha.-dimethylbenzyl hydroperoxide; cumene hydroperoxide</u>	<u>80-15-9</u>

ZUSMA_RTK US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Components	CAS-No.
<u>.alpha.-.alpha.-dimethylbenzyl hydroperoxide; cumene hydroperoxide</u>	<u>80-15-9</u>
<u>1,2-Benzisothiazol-3(2H)-one 1,1-dioxide</u>	<u>81-07-2</u>
<u>Silicon dioxide</u>	<u>7631-86-9</u>

ZUSNJ_RTK US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Components	CAS-No.
<u>polyurethanedimethacrylate</u>	<u>18358-13-9</u>
<u>Decyl methacrylate</u>	<u>3179-47-3</u>
<u>(1-Methylethylidene)bis(4,1-phenyleneoxy-2,1-ethanediyl) bismethacrylate</u>	<u>24448-20-2</u>
<u>Ethene, homopolymer</u>	<u>9002-88-4</u>
<u>Methacrylic acid, monoester with propane-1,2-diol</u>	<u>27813-02-1</u>
<u>1,2-Benzisothiazol-3(2H)-one 1,1-dioxide</u>	<u>81-07-2</u>
<u>.alpha.-.alpha.-dimethylbenzyl hydroperoxide; cumene hydroperoxide</u>	<u>80-15-9</u>



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California Prop. 65

: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.
