

Safety Data Sheet (SDS)

According to GHS (Global Harmonized System) - Hazcom 2012

Date Printed (YYYY-MM-DD): 2020-04-15

Section 1 - Product and Company Information

Product Name: PlastiFix High Performance Adhesive

Product Part Number(s): 2510,

Recommended Use: For repairing automotive plastics

COMPANY IDENTIFICATION:

Polyvance
1128 Kirk Rd.
Rainsville, AL 35986

Information email: info@polyvance.com

EMERGENCY TELEPHONE NUMBER:

24 Hour Emergency contact: Chemtrec: 1-800-424-9300
Outside US: 703-527-3887

Customer Information Number: 256-638-4103 (7AM - 4PM (CST) M-F)

Section 2 - Hazards Identification

Appearance: Milky white liquid

Odor: Strong, irritating odor

Hazard Statement:

Highly flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation.

Signal Word: Not Applicable

Signal Word Hazard: Highly flammable liquid and vapor

GHS Physical Hazard Pictogram	GHS Health Hazard Pictogram(s)	GHS Environmental Hazard Pictogram
 Flammable	 Irritant	 Not Applicable

GHS Hazards Statement Codes for This Product

Statement Type	Statement Code	Statement Text
Health	H315	Causes skin irritation
Physical	H225	Highly flammable liquid and vapor
Health	H335	May cause respiratory irritation
Health	H302	Harmful if swallowed
Health	H312	Harmful in contact with skin
Health	H314	Causes severe skin burns and eye damage
Health	H317	May cause an allergic skin reaction

Precautionary Statement:

Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces - No smoking. Wear respiratory protection. IF ON SKIN: Wash with soap and water. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position

comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

GHS Precautionary Statement Codes for This Product

Statement Type	Statement Code	Statement Text
General	P102	Keep out of reach of children
Prevention	P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking
Prevention	P284	Wear respiratory protection
Response	P304+341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
Response	P302+352	IF ON SKIN: Wash with soap and water
Response	P305+351+33	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

Potential Health Effects

Section 3 - Composition / Information on Ingredients

Component	CAS #	ENIECS	REACH Reg. No.	Amount
Methacrylic Acid	79-41-4	201-204-4		20 - 30%
Methyl Methacrylate	80-62-6	201-297-1		50 - 70%

Section 4 - First Aid Measures

Eye Contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Contact physician if irritation persists.
Skin Contact:	Remove affected person from source of contamination. Wash skin thoroughly with soap and water for several minutes. Contact physician if irritation persists.
Inhalation:	Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Contact physician if discomfort continues.
Ingestion:	Do not induce vomiting. Drink plenty of water. Get medical attention.

Section 5 - Firefighting Measures

Extinguishing Media:	Extinguish with foam, carbon dioxide or dry powder.
Fire Fighting Procedures:	Keep up-wind to avoid fumes. Avoid water in straight hose stream; will scatter and spread fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control. Protective equipment for fire-fighters Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6 - Accidental Release Measures

Personal Precautions:	Highly flammable Warn everybody of potential hazards and evacuate if necessary. Remove sources of ignition. Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of spray mist and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.
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Environmental Precautions: Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

Methods for Containment: Transfer to a container for disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

Section 7 - Handling and Storage

General Handling Practices: Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Storage tanks and other containers must be grounded. Do not smoke, use open fire or other sources of ignition. Observe good chemical hygiene practices.

Storage Requirements: Store in tightly closed original container in a dry, cool and well-ventilated place.

Section 8 - Precautions to Control Exposure / Personal Protection

Component	Source	Type	Value	Remarks
Methacrylic Acid	WEEL	TWA	20 ppm	STD
Methyl Methacrylate	WEEL	TWA	50 ppm	STD

Personal Protective Equipment (PPE):

Eye / Face Protection: Wear approved chemical safety goggles where eye exposure is reasonably probable.

Skin Protection: Use protective gloves made of Rubber or plastic. Wear apron or protective clothing in case of contact.

Respiratory Protection: If ventilation is insufficient, suitable respiratory protection must be provided. Chemical respirator with organic vapor cartridge.

Hygienic Measures: Keep away from food, drink and animal feeding stuffs. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving work place.

Engineering Controls: Provide adequate general and local exhaust ventilation.

HMIS Personal Protection: H



Section 9 - Physical and Chemical Properties

Appearance: Paste

Odor Threshold: Not Determined

pH: Not Determined

Melting Point: Not Available

Freezing Point: Not Available

Boiling Point: 101 C (214 F)

Boiling Range: Not Available

Flash Point: 10 C (50 F)

Evaporation Rate: 3 (butyl acetate = 1)

Upper Flammability Limit: 12.5%

Lower Flammability Limit: 2.1%
Vapor Pressure: 28 mmHg 20
Vapor Density: >1
Specific Gravity: 1.03 at 20 C (68 F)
Solubility in Water: 15 g/L (Methyl Methacrylate)
Partition Coefficient: log Pow: 1.38 (Methyl Methacrylate)
Autoignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: 40,000 - 60,000 cps

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperature conditions and recommended use. May Polymerize.
Conditions to Avoid: Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight. Heating will generate vapors which may form explosive vapor/air mixtures.
Incompatible Materials: Avoid contact with oxidizers or reducing agents. Bases, alkalis (inorganic). Bases, alkalis (organic).
Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors
Hazardous Polymerization: May polymerize.

Section 11 - Toxicological Information

Ingestion Toxicity: LD 50 METHYL METHACRYLATE 7872 mg/kg (oral rat) LD 50 METHACRYLIC ACID 1060 mg/kg (oral rat)
Inhalation: LC 50 METHYL METHACRYLATE 7093 ppm/4h (inh-rat)
Sensitization: May cause sensitization by skin contact. Risk of sensitization or allergic reactions among sensitive individuals.
Eye Irritation: Irritating to eyes. Risk of corneal damage.
Target Organs: May cause damage to the liver and kidneys. Central nervous system Respiratory system, lungs.

Section 12 - Ecological Information

EcoToxicity: Avoid release to the environment.
Mobility / Partitioning: Do not discharge into drains, water courses or onto the ground.

Section 13 - Disposal Considerations

Disposal Method: Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Container Disposal:

Section 14 - Transport Information

DOT

Proper Shipping Name: Adhesives containing flammable liquid

Hazard Class: 3

Identification Number: UN1133

Packing Group: II

DOT Labeling: None Required

IMDG (Maritime transport)

Proper Shipping Name: Adhesives containing flammable liquid

IMDG Class: 3

UN Number: UN1133

Marine Polutant?: 14.6

Additional IMDG Information: Environmentally Hazardous Substance/Marine Pollutant No.
14.6. Special precautions for user EMS F-E, S-D

IATA (Air transport)

Proper Shipping Name: Adhesives containing flammable liquid

ICAO / IATA Class: 3

UN / ID Number: UN1133

Packing Group II

Section 15 - Regulatory Information

Superfund Amendments and Reauthorization Act of 1986 (Emergency Planning and Community Right-to-Know Act of 1986)
Sections 311 and 312

Immediate (Acute) Health Hazard: Not available

Delayed (Chronic) Health Hazard: Not available

Fire Hazard: Not available

Reactive Hazard: Not available

Sudden Release of Pressure: Not available

The following lists hazardous components and the regulatory lists for which they are required to be reported.

Component: Methacrylic Acid

CAS: 79-41-4

Amount: 1 - 10%

Methacrylic Acid is on the California Prop 65 Cancer list.

Methacrylic Acid is listed with Minnesota Right to Know.

Methacrylic Acid is listed with New Jersey Right to Know.

Methacrylic Acid is listed with Pennsylvania Right to Know.

Methacrylic Acid is listed with Rhode Island Right to Know.

Component: Methyl Methacrylate

CAS: 80-62-6

Amount: 30 - 60%

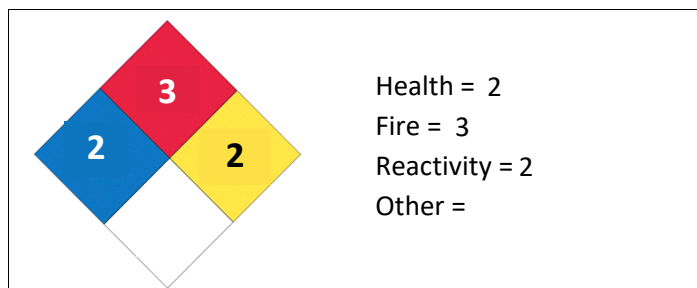
Methyl Methacrylate is listed with Massachusetts Right to Know.

Methyl Methacrylate is listed with Pennsylvania Right to Know.

HMIS Rating (0 - 4)

HEALTH	2	Health = 2
FIRE	3	Fire = 3
PHYSICAL	3	Physical = 3
PERSONAL PROTECTION	H	Personal Protection = H

NFPA Ratings



Section 16 - Other Information

Legend

ACGIH	American Conference of Governmental Hygenists
CAS	Chemical Abstract Service
CFR	Code of Federal Regulations
EPA	Environmental Protection Agency
GHS	Global Harmonized System
HMIS	Hazardous Materials Identification System
LC	Lethal Concentration
LD	Lethal Dose
LTEL	Long Term Exposure Limit
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration

PEL	Permissible Exposure Limit
SARA	Superfund Amendment and Reauthorization Act
STEL	Short Term Exposure Limit
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average

DISCLAIMER

This Safety Data Sheet (SDS) is prepared in compliance with GHS Hazcom 2012. The information may be based in part on information provided by component suppliers and is believed to be correct as of the date hereof. However, no warranty or merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of this data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we assume no responsibility for the result of its use. This information and material is furnished on the condition that the person receiving it shall make his/her own determination as to the suitability of the material for his/her particular purpose and on the condition that he/she assume the risk of his/her use thereof.