

Safety Data Sheet

[®] Prepared in Accordance with HCS 29 C.F.R. 1910.1200

1. Identification of the Substance/Mixture and the Company/Undertaking

1.1	Product Identifier	136PA1NL	Revision Date:	12/05/2022
	Product Name:	PLASITE 7122 TFE PART A	Supercedes Date:	04/06/2022
1.2	Relevant identified uses of the substance or mixture and uses advised against	Component of multicomponent industrial coatings - Industrial use.		
1.3	Details of the supplier of the safety	data sheet		
	Manufacturer:	Carboline Global Inc. 2150 Schuetz Road St. Louis, MO USA 63146		
		Regulatory / Technical Information: Contact Carboline Technical Services at 1-800-848-4645		
	Datasheet Produced by:	Schlereth, Ken - regulatory@carboline.c	om	
1.4	Emergency telephone number:	CHEMTREC 1-800-424-9300 (Inside US CHEMTREC +1 703 5273887 (Outside L HEALTH - Pittsburgh Poison Control 1-4	ĴS)	

2. Hazard Identification

2.1 Classification of the substance or mixture

Carcinogenicity, category 1A Eye Irritation, category 2 Flammable Liquid, category 2 STOT, repeated exposure, category 1 STOT, single exposure, category 3, NE Skin Irritation, category 2 Skin Sensitizer, category 1

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

METHYL ETHYL KETONE, TOLUENE, MICROCRYSTALLINE SILICA, EPOXY RESIN

HAZARD STATEMENTS

Flammable Liquid, category 2 Skin Irritation, category 2 Skin Sensitizer, category 1 Eye Irritation, category 2 STOT, single exposure, category 3, NE Carcinogenicity, category 1A STOT, repeated exposure, category 1	H225 H315 H317 H319 H336 H350-1A H372	Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. May cause cancer. Causes damage to organs through prolonged or repeated exposure.
PRECAUTION PHRASES		
	P201 P202	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
	P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
	P235	Keep cool.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P264	Wash hands thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/ face protection.
	P284	Wear respiratory protection.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
	P308+313 P314 P333+313 P403+233	IF exposed or concerned: Get medical advice/attention Get medical advice/attention if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

3. Composition/Information On Ingredients

3.2 Mixtures

Hazardous ingredients

Name According to EEC EINEC No. CAS-No.

<u>%</u>

Classifications

Date Printed: 12/22/2022

Product: 136PA1NL

EPOXY RESIN	607-500-3	25036-25-3	25 - <50	H315-317-319	
METHYL ETHYL KETONE	201-159-0	78-93-3	10 - <25	H225-319-336	Eye Irrit. 2, Flam. Liq. 2, STOT SE 3 NE
MICROCRYSTALLINE	238-878-4	14808-60-7	10 - <25	H350-372	Carc. 1A, STOT RE 1
TITANIUM DIOXIDE	236-675-5	13463-67-7	2.5 - <10		
METHYL ISOBUTYL KETONE	203-550-1	108-10-1	2.5 - <10	H225-302-312-319-332-335	Acute Tox. 4 Dermal, Acute Tox. 4 Inhalation, Acute Tox. 4 Oral, Eye Irrit. 2, Flam. Liq. 2, STOT SE 3 RTI
TOLUENE	203-625-9	108-88-3	2.5 - <10	H225-304-315-319-332-335-336 -361-370-412	Acute Tox. 4 Inhalation, Aquatic Chronic 3, Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 1, STOT SE 3 NE, STOT SE 3 RTI
ISOBUTYL ACETATE	203-745-1	110-19-0	1.0 - <2.5	H225	Flam. Liq. 2
ETHYL ALCOHOL	200-578-6	64-17-5	1.0 - <2.5	H225	Flam. Liq. 2
BLACK IRON MANGANESE OXIDE		75864-23-2	1.0 - <2.5	H373	

CAS-No.	M-Factors
25036-25-3	0
78-93-3	0
14808-60-7	0
13463-67-7	0
108-10-1	0
108-88-3	0
110-19-0	0
64-17-5	0
75864-23-2	0
Remarks:	CAS No 13463-67-7: Note 10

Additional Information: The text for GHS Hazard Statements shown above (if any) is given in Section 16.

4. First-aid Measures

4.1 Description of First Aid Measures

AFTER INHALATION: Give oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.

AFTER SKIN CONTACT: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. AFTER INGESTION: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, call a poison control centre or doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Harmful if swallowed. Irritating to eyes and skin. Risk of serious damage to the lungs (by aspiration). Vapours may cause drowsiness and dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

When symptoms persist or in all cases of doubt seek medical advice.

5. Fire-fighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Vapors may travel to areas away from work site before igniting/flashing back to vapor source. Provide adequate ventilation. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Electrical installations / working materials must comply with the technological safety standards. Wear shoes with conductive soles.

FOR SAFETY REASONS NOT TO BE USED: No Information

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

SPECIAL FIREFIGHTING PROCEDURES: In the event of fire, wear self-contained breathing apparatus. Cool containers / tanks with water spray. Flammable.

SPECIAL FIREFIGHTING PROTECTION EQUIPMENT: No Information

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. For personal protection see section 8.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

No Information

7. Handling and Storage

7.1 Precautions for safe handling

INSTRUCTIONS FOR SAFE HANDLING : Keep containers dry and tightly closed to avoid moisture absorption and contamination. Prepare the working solution as given on the label(s) and/or the user instructions. Do not breathe vapours or spray mist. Ensure all equipment is electrically grounded before beginning transfer operations. Do not use sparking tools. Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation/personal protection. Wash thoroughly after handling.

PROTECTION AND HYGIENE MEASURES : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Heat, flames and sparks.

STORAGE CONDITIONS: Keep container closed when not in use. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s)

No specific advice for end use available.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (US)

Name	CAS-No.	ACGIH TWA	ACGIH STEL	ACGIH Ceiling
EPOXY RESIN	25036-25-3	N/E	N/E	N/E
METHYL ETHYL KETONE	78-93-3	200 PPM	300 PPM	N/E
MICROCRYSTALLINE SILICA	14808-60-7	0.025 MGM3	N/E	N/E
TITANIUM DIOXIDE	13463-67-7	10 mg/m3	N/E	N/E
METHYL ISOBUTYL KETONE	108-10-1	20 PPM	75 PPM	N/E
TOLUENE	108-88-3	20 PPM	N/E	N/E
ISOBUTYL ACETATE	110-19-0	50 PPM	150 PPM	N/E
ETHYL ALCOHOL	64-17-5	N/E	1000 PPM	N/E
BLACK IRON MANGANESE OXIDE	75864-23-2	N/E	N/E	N/E
Name	CAS-No.	<u>OSHA PE</u>	L OSHA ST	<u>rel</u>
EPOXY RESIN	25036-25-3	N/E	N/E	
METHYL ETHYL KETONE	78-93-3	590 MGM3, 2	200 PP 8/8 5 MGM3 PPM	, 300
MICROCRYSTALLINE SILICA	14808-60-7	0.05 MGM3	N/E	
TITANIUM DIOXIDE	13463-67-7	15 MGM3	N/E	
METHYL ISOBUTYL KETONE	108-10-1	205 MGM3, 5	50 PPM300 MGM3 PPM	3, 75
TOLUENE	108-88-3	200 ppm	560 MGM3 PPM	, 150
ISOBUTYL ACETATE	110-19-0	700 MGM3, ⁻	150 PPM N/E	
ETHYL ALCOHOL	64-17-5	1900 MGM3, PPM	1000 N/E	
BLACK IRON MANGANESE OXIDE	75864-23-2	N/E	N/E	

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Use only with ventilation to keep levels below exposure guidelines reported in this document. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use State or federally approved supplied air respirator. For silica containing coatings in a liquid state, and/or if no exposure limits are established above, air-supplied respirators are generally not required.

EYE PROTECTION: Safety glasses with side-shields.

HAND PROTECTION: Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Impervious gloves. Request information on glove permeation properties from the glove supplier. Lightweight protective clothing

OTHER PROTECTIVE EQUIPMENT: Ensure that eyewash stations and safety showers are close to the workstation location. **ENGINEERING CONTROLS:** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

9.	9. Physical and Chemical Properties				
9.1					
	Appearance:	Viscous Liquid, Various Colors			
	Physical State	Liquid			
	Odor	Solvent			
	Odor threshold	N/D			
	рН	N/D			
	Melting point / freezing point (°C)	N/D			
	Boiling point/range (°C)	149 F (65 C) - 277 F (136 C)			
	Flash Point (°C)	24F (-4.5C)			
	Evaporation rate	Slower Than Ether			
	Flammability (solid, gas)	Not determined			
	Upper/lower flammability or explosive limits	1.0 - 36.0			
	Vapour Pressure, mmHg	N/D			
	Vapour density	Heavier than Air			
	Relative density	Not determined			
	Solubility in / Miscibility with water	N/D			
	Partition coefficient: n-octanol/water	Not determined			
	Auto-ignition temperature (°C)	Not determined			
	Decomposition temperature (°C)	Not determined			
	Viscosity	Unknown			
	Explosive properties	Not determined			
	Oxidising properties	Not determined			
9.2	Other information				
	VOC Content g/l:	400			
	Specific Gravity (g/cm3)	1.259			

10. Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions Hazardous polymerisation does not occur.

10.4 Conditions to avoid Heat, flames and sparks.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

11. Toxicological Information

11.1	Information on toxicological effects						
	Acute Toxicity:						
	Oral LD50: N/D						
	N/D						
	Irritation:	Eye Irritation, category 2A; Skin Irritation, category 2					
	Corrosivity: Unknown						
	Sensitization: Skin Sensitizer, category 1						
	Repeated dose toxicity: Unknown						
Carcinogenicity: Carcinogencity, category 1A							
	Mutagenicity:	Unknown					
	Toxicity for reproduction: Unknown						
	STOT-single exposure: STOT, single exposure, category 3, NE						
	STOT. repeated exposure: STOT, repeated exposure, category 1						
	Aspiration hazard:	Unknown					

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50	<u>Gas LC50</u>	<u>Dust/Mist</u> LC50
25036-25-3	EPOXY RESIN	>2000 mg/kg, oral, rat	>2000 mg/kg, dermal, rat	Not Available	0.000	0.000
78-93-3	METHYL ETHYL KETONE	2194 mg/kg rat, oral	Not Available	34.5 mg/L/ 4 hour rat, inhalation	0.000	0.000
14808-60-7	MICROCRYSTALLINE SILICA	22500 mg/kg	Not Available	Not Available	0.000	0.000
13463-67-7	TITANIUM DIOXIDE	25000 mg/kg, oral (rat)	Not Available	Not Available	No Information	No Information
108-10-1	METHYL ISOBUTYL KETONE	2000 mg/kg, oral, rat	2000 mg/kg, dermal, rat	5000 ppm/ 1 hr, Inh, rat	0.000	0.000
108-88-3	TOLUENE	5000 mg/kg rat oral	12267 mg/kg, dermal, rabbit	8000 ppm/4 hrs, rat, inhalation	0.000	0.000
110-19-0	ISOBUTYL ACETATE	3200 mg/kg, oral, rat		3500 ppm inhalation, rat, 4hr	0.000	0.000

64-17-5	ETHYL ALCOHOL	7060 mg/kg, oral, rat	20000 ppm/10 hrs, rat, inhalation	0.000	0.000
75864-23-2	BLACK IRON MANGANESE OXIDE	Not Available	Not Available	0.000	0.000

Additional Information:

Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form or progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group 1 carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. Constituents may also include abestiform or non-asbestiform tremolite or other silicates as impurities, and above dei minimus exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

12. Eco	logical Information				
12.1 Toxi	city:				
E	C50 48hr (Daphnia):	Unkno	wn		
IC	50 72hr (Algae):	Unkno	wn		
LC	C50 96hr (fish):	Unkno	wn		
12.2 Persistence and degradability:		Unkno	wn		
12.3 Bioaccumulative potential:		Unkno	wn		
12.4 Mob	ility in soil:	Unkno	wn		
12.5 Results of PBT and vPvB assessment:			oduct does not meet the	e criteria for PBT/VP	vB in accordance with Annex XIII
12.6 Other adverse effects: Unknown					
CAS-No.	Chemical Name		<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
25036-25-3	EPOXY RESIN		No information	No information	No information
78-93-3	METHYL ETHYL KETONE		308 mg/l (Daphnia magna)	No information	2993 mg/l (Pimephales promelas)
14808-60-7	MICROCRYSTALLINE SILICA		No information	No information	No information
13463-67-7	TITANIUM DIOXIDE		No information	No information	No information
108-10-1	METHYL ISOBUTYL KETONE		200 mg/l (Daphnia magna)	No information	179 mg/l (Zebra fish)
108-88-3	TOLUENE		6 mg/l (Daphnia magna)	12.5 mg/L (Algae)	5.8 mg/L (Fish)
110-19-0	ISOBUTYL ACETATE		No information	No information	No information
64-17-5	ETHYL ALCOHOL		2 mg/l (Daphnia Magna)	No information	42 mg/l (fish)
75864-23-2	BLACK IRON MANGANESE OXIDE		No information	No information	No information

13. Disposal Considerations

13.1 WASTE TREATMENT METHODS: Do not burn, or use a cutting torch on, the empty drum. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

14.1	UN number	UN 1263
14.2	UN proper shipping name	Paint
	Technical name	N/A
14.3	Transport hazard class(es)	3
	Subsidiary shipping hazard	N/A
14.4	Packing group	II
14.5	Environmental hazards	Marine Pollutant: Yes (Epoxy Resin)
14.6	Special precautions for user	Unknown
	EmS-No.:	F-E, S-E
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Unknown

15. Regulatory Information

^{15.1} Safety, health and environmental regulations/legislation for the substance or mixture:

U.S. Federal Regulations: As follows -

CERCLA - Sara Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Flammable (gases, aerosols, liquids, or solids), Carcinogenicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure)

Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS-No.	<u>%</u>
METHYL ISOBUTYL KETONE	108-10-1	4.18
TOLUENE	108-88-3	2.75

Toxic Substances Control Act:

All components of this product are either listed on the TSCA Inventory or are exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

Chemical Name

No TSCA 12(b) components exist in this product.

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name	CAS-No.
POLYTETRAFLUOROETHYLENE	9002-84-0
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Pennsylvania Right-To-Know

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	CAS-No.
POLYTETRAFLUOROETHYLENE	9002-84-0
ALUMINUM SILICATE	1332-58-7

CAS-No.

IRON OXIDE	
YELLOW IRON OXIDE	
CALIFORNIA PROPOSITION 65	

WARNING: Cancer and Reproductive Harm -- www.P65Warnings.ca.gov

International Regulations: As follows -

* Canadian DSL:

All chemical ingredients included on inventory (DSL)

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

1309-37-1 51274-00-1

16. Other Information

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H225 Highly flammable liquid and vapour.	
H302 Harmful if swallowed.	
H304 May be fatal if swallowed and enters airways.	
H312 Harmful in contact with skin.	
H315 Causes skin irritation.	
H317 May cause an allergic skin reaction.	
H319 Causes serious eye irritation.	
H332 Harmful if inhaled.	
H335 May cause respiratory irritation.	
H336 May cause drowsiness or dizziness.	
H350 May cause cancer.	
H361 Suspected of damaging fertility or the unborn child.	
H370 Causes damage to organs.	
H372 Causes damage to organs through prolonged or repeated ex	posure.
H373 May cause damage to organs through prolonged or repeated	exposure.
H412 Harmful to aquatic life with long lasting effects.	-

Reasons for revision

No Information

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.