



SculptaCast™ PZ-A 421ABR Flex
SAFETY DATA SHEET
ACCORDING TO US CFR 1910.1200

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name	SculptaCast™ PZ-A 421ABR Flex.
CAS No.	Mixtures.
EINECS No.	Mixtures.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Production of disposable patterns and/or sprues for use in the art casting process. Industrial use only, not intended for public use.
Uses advised against	None known.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Precizioned® distributed/manufactured by International Precision Casting Supplies 1570 Terex Road Hudson, Ohio 44236 +13303420407 info@precizioned.com
Telephone	
E-Mail (competent person)	
1.4 Emergency telephone number	
Company	+13303420407 (office hours: 0800 – 1700 EST)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
US CFR 1910.1200	Not classified as dangerous for supply/use.
2.2 Label elements	
Product Name	SculptaCast™ PZ-A 421ABR Flex.
Hazard pictogram(s)	None.
Signal word(s)	None.
Hazard statement(s)	None.
Precautionary statement(s)	None.
2.3 Other hazards	The molten form can cause thermal burns if in contact with skin or eyes.
2.4 Additional Information	None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Contains: A blend of hydrocarbon and natural waxes, resins, polymers, and oil soluble dye.



SculptaCast™ PZ-A 421ABR Flex

3.1 Mixtures

Hazardous Ingredient(s)	CAS No.	%W/W
Paraffin waxes and Hydrocarbon waxes	8002-74-2	30 - 50

3.2 Additional Information

None.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Unlikely route of exposure.

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

In case of burns immediately cool affected skin as long as possible with cold water. Molten material can cause severe burns. Do NOT try to peel molten material from the skin.

Cool rapidly with water. Get medical attention.

Eye Contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Get medical attention.

Ingestion

Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Molten material will adhere to the skin causing deep thermal burns.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically. Seek medical advice.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Extinguish preferably with foam, carbon dioxide or dry chemical.

Unsuitable Extinguishing Media

Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Caution - spillages may be slippery. When molten: Avoid contact with skin and eyes. Wash hands thoroughly after handling.

6.2 Environmental precautions

Prevent release to the environment.

6.3 Methods and material for containment and cleaning up

Sweep up solid substance. When molten: Allow product to cool/solidify and pick up as a solid. Wipe up remainder then remove to safe place.

6.4 Reference to other sections

See Also Section: 8, 13.



SculptaCast™ PZ-A 421ABR Flex

7. SECTION 7: HANDLING AND STORAGE




<p>7.1 Precautions for safe handling</p>	Provide adequate ventilation. Avoid breathing fumes. Avoid contact with heated or molten product. Do not eat, drink or smoke when using this product. Wear suitable gloves.
<p>7.2 Conditions for safe storage, including any incompatibilities</p> <p>Storage Temperature Storage Life Incompatible materials</p>	<p>Keep container tightly closed and dry. This product should be stored away from sources of strong heat, direct sunlight or oxidising chemicals.</p> <p>5 - 30°C Stable under normal conditions. Strong oxidising agents.</p>

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<p>8.1 Control parameters</p>	
<p>8.1.1 Occupational Exposure Limits</p>	Paraffin wax fumes may be released from the product when in the molten state.

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Paraffin waxes and Hydrocarbon waxes	8002-74-2	-	2	-	6	NIOSH

Source: NIOSH = National Institute of Occupational Safety & Health

<p>8.2 Appropriate engineering controls</p>	Provide adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.
<p>8.3 Individual protection measures, such as personal protective equipment (PPE)</p> <p>Eye/face protection</p>  <p>Skin protection (Hand protection/ Other)</p>  <p>Respiratory protection</p>  <p>Thermal hazards</p>	<p>Wear eye/face protection.</p> <p>Not normally required. Wear suitable gloves if prolonged skin contact is likely.</p> <p>No personal respiratory protective equipment normally required. Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.</p> <p>When molten: Wear insulating gloves EN407 (heat), and eye protection.</p>

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<p>9.1 Information on basic physical and chemical properties</p> <p>Appearance</p>	Solid (Wax).
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SculptaCast™ PZ-A 421ABR Flex

Colour	Dark Brown
Odour	Waxy.
Odour Threshold	Not available.
pH	Not applicable.
Melting Point/Freezing Point	~141°F
Initial boiling point and boiling range	Not available.
Flash point	>185°C [Open cup]
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	14.0 cPs @ 200°F
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2 Other information	None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
11.1.1 Mixtures	
Acute toxicity	Low acute toxicity.
Irritation	Non-irritant.
Corrosivity	The molten form can cause thermal burns if in contact with skin or eyes.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Low toxicity to aquatic organisms.
12.2 Persistence and degradability	No information available.
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	Insoluble in water. The product is predicted to have low mobility in soil.
12.5 Other adverse effects	None.



SculptaCast™ PZ-A 421ABR Flex

13. SECTION 13: DISPOSAL CONSIDERATIONS

- | | | |
|------|--------------------------------|---|
| 13.1 | Waste treatment methods | Dispose at suitable refuse site. |
| 13.2 | Additional Information | Disposal should be in accordance with local, state or national legislation. |

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

- | | | |
|------|--|-----------------|
| 14.1 | UN number | Not applicable. |
| 14.2 | UN Proper Shipping Name | Not applicable. |
| 14.3 | Transport hazard class(es) | Not applicable. |
| 14.4 | Packing Group | Not applicable. |
| 14.5 | Environmental hazards | Not applicable. |
| 14.6 | Special precautions for user | Not applicable. |
| 14.7 | Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

15. SECTION 15: REGULATORY INFORMATION

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|--------|---|--|
| 15.1 | Safety, health and environmental regulations/legislation specific for the substance or mixture | |
| 15.1.1 | OSHA
Toxic and hazardous substances (29 CFR 1910; Subpart Z) | All chemicals are not listed. |
| 15.1.2 | Title III Consolidated List of Lists | All chemicals are not listed. |
| 15.1.3 | OSPAR List of Chemicals for Priority Action | All chemicals are not listed. |
| 15.1.4 | State Right to Know Lists | Paraffin waxes and Hydrocarbon waxes (CAS No.: 8002-74-2): California, Pennsylvania, Massachusetts, Minnesota. |
| 15.1.5 | TSCA (Toxic Substance Control Act) | All chemicals listed. |
| 15.1.6 | Proposition 65 (California) | All chemicals are not listed. |
| 15.1.7 | CAA 602 - Ozone Depleting Substances (ODS) | All chemicals are not listed. |
| 15.1.8 | International Agency for Research on Cancer | All chemicals are not listed. |
| 15.1.9 | National Toxicology Program | All chemicals are not listed. |

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

NFPA		HMIS	
Health	0	Health	0
Fire	0	Flammability	0
Instability	0	Physical hazards	0



SculptaCast™ PZ-A 421ABR Flex

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
NFPA	NFPA (National Fire Protection Association)
HMIS	HMIS (Hazardous Material Information System)
OSHA	Occupational Safety and Health Administration

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