



ACCORDING TO US CFR 1910.1200

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name Precizioned SculptaClay PZ-A 3023K Brown
CAS No. None : 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. For industrial use only. Not intended for public use.

Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer
Company Identification Precizioned distributed/manufactured by International Precision Casting Supplies

Address of Manufacturer 1570 Terex Road
Hudson, Ohio

Zip code 44236

Telephone: 3303420407

Fax 3303420409

E-mail cmackey@ipcs-uk.com

Office hours 08:00 - 17:00

Supplier

Company Identification International Precision Casting Supplies, Inc.

Address of Supplier 1570 Terex Road
Hudson, Ohio

Zip code 44236

Telephone: 3303420407

Fax 3303420409

E-mail cmackey@ipcs-uk.com

Office hours 08:00 - 17:00

1.4 Emergency telephone number

Emergency Phone No. 3303420407

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Missing Phrase Not classified as dangerous for supply/use.

2.2 Label elements

According to US CFR 1910.1200

Product Name Precizioned SculptaClay PZ-A 3023K Brown

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation 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 Flush eyes with water for at least 15 minutes.

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.

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 firefighters

As appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable gloves if prolonged skin contact is likely. Caution - spillages may be slippery. When molten: Avoid contact with skin



and eyes. Wash hands thoroughly after handling.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Sweep spilled substances into containers if appropriate moisten first to prevent dusting. 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.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

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.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and dry. This product should be stored away from sources of strong heat or oxidizing chemicals.

Storage temperature

5-30°C

Storage life

Stable under normal conditions.

Incompatible materials

Strong oxidizing agents.

7.3 Specific end use(s)

Production of disposable patterns and/or sprues for use in the art casting process. For industrial use only. Not intended for public use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure

Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note:
Paraffin wax fume	8002-74-2		2			OSHA PEL
Paraffin wax fume	8002-74-2		2			ACGIH TLV
Ethylene	74-85-1					OSHA PEL, (h1)
Ethylene	74-85-1	200	230			ACGIH TLV

Remark

Notes

OSHA PEL Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs).

ACGIH TLV The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold

Limit Values (TLVs®) 2018

- (h1) A number of gases and vapors, when present in high concentrations, act primarily as asphyxiants without other adverse effects. A concentration limit is not included for each material because the limiting factor is the available oxygen. (Several of these materials present fire or explosion hazards.)

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear suitable gloves if prolonged skin contact is likely.



Respiratory protection Normally no personal respiratory protection is necessary. Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.



Thermal hazards When molten: Wear insulating gloves EN407 (heat).

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid.
	Color : Brown.
Odor	Characteristic
Odor Threshold	Not known.
pH	Not known.
Melting Point/Freezing Point	~137 °F
Initial boiling point and boiling range	Not applicable.
Flash Point	>185°C [Open cup]
Evaporation Rate	Not known.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not known.
Vapor pressure	Not known.
Vapor density	Not known.
Density (g/ml)	Not known.



Relative density	0.930 @ 77°F
Solubility(ies)	Solubility (Water) : Insoluble in water. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	10cPs @ 200°F
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
9.2 Other information	None.

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 oxidizing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified. Low acute toxicity.
Acute toxicity - Skin Contact	Not classified. Low acute toxicity.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Not classified. Non-irritant. The molten form can cause thermal burns if in contact with skin or eyes.
Serious eye damage/irritation	Not classified.
Skin sensitization data	Not classified. It is not a skin sensitizer.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	None anticipated. Not classified.



STOT - single exposure Not classified.
STOT - repeated exposure Not classified.
Aspiration hazard Not classified.
11.2 Other information
Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates Low toxicity to invertebrates.
Toxicity - Fish Low toxicity to fish.
Toxicity - Algae Low toxicity to algae.
Toxicity - Sediment Not classified.
Compartment
Toxicity - Terrestrial Not classified.
Compartment

12.2 Persistence and Degradation

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Insoluble in water. The product is predicted to have low mobility in soil.

12.5 Other adverse effects

Not known.

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.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous 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 classified as a Marine Pollutant.

14.6 Special precautions for user



Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known

SECTION 15: REGULATORY INFORMATION**15.1 US Federal Regulations**Toxic and hazardous substances Not listed
(29 CFR 1910; Subpart Z)National emission standards for Not listed
hazardous air pollutants (40 CFR
61.01)

SARA Title III Section 313 Not listed

TSCA (Toxic Substance Control Act) Listed : 8002-74-2 (Active), 63231-60-7 (Active), 24937-78-8 (Active), 74-85-1 (Active), 69430-35-9 (Active), 8006-44-8 (Active), 8015-86-9 (Active)

CAA 602 - Ozone Depleting Substances (ODS) Not listed

15.2 US State Regulations

State Right to Know Lists

Proposition 65 (California)

Not listed

Minnesota

Listed : 8002-74-2, 74-85-1

New Jersey

Listed : 8002-74-2, 74-85-1

Pennsylvania

Listed : 8002-74-2, 74-85-1

Rhode Island

Listed : 8002-74-2, 74-85-1

15.3 Other

OSPAR List of Chemicals for Priority Action Not listed

OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives) Not listed

NTP (National Toxicology Program) Not listed

IARC (International Agency for Research on Cancer) Listed : 74-85-1

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s) None.

Hazard Statement(s) None.

Precautionary Statement(s) None.

Acronyms
CAS : Chemical Abstracts Service
LTEL : Long term exposure limit
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity



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