

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

P2C Fine

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	P2C Fine
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1.3. Details of the supplier of the safety data sheet


Company	Ransom & Randolph
Address	3535 Briarfield Boulevard Maumee, Ohio 43537 USA
Web	www.ransom-randolph.com
Telephone	+1 (419) 865-9497
Fax	+1 (419) 865-9997
Email	SDS@ransom-randolph.com
Email address of the competent person	rcarter@ransom-randolph.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;
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2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	Collect spillage. P302+P352 - IF ON SKIN: Wash with plenty of water/ soap. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P391 - Collect spillage.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Urethane Dimethacrylate (UDMA)		72869-86-4			60 - 70%	Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411;
Acrylic Resin					20 - 30%	
Phosphine Oxide					1 - 10%	

Further information

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Carbon dioxide (CO₂). Extinguishing media. Foam. Do NOT use full water jet.

5.2. Special hazards arising from the substance or mixture

Carbon Monoxide (CO). Carbon dioxide (CO₂). Hazardous decomposition products may be formed in fire conditions.

5.3. Advice for firefighters

Self-contained breathing apparatus.

Further information

Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with: Eyes, skin, and clothes. Do not breathe gas/fumes/vapor/spray. Ensure adequate ventilation of the working area.

6.2. Environmental precautions

Do not allow product to enter drains. Do not flush into surface water.

6.3. Methods and material for containment and cleaning up

For large spills: Take up mechanically (by pumping). For small spills: Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See section 7, 8, 13 for further information.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Wash hands after handling the product. When using do not eat, drink or smoke. It is essential for pregnant women to avoid inhaling the product and not to let it come in contact with the skin. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. When heated above the flash point and/or during spraying (atomizing), ignitable mixtures may form in air.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep away from direct sunlight. Keep only in the original container at a temperature not exceeding 4 - 25 C °C. Keep container tightly closed. Can polymerize with intense heat release.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

Appropriate engineering controls	Do not breathe gas/fumes/vapor/spray.
Eye / face protection	safety glasses with side-shields.
Skin protection - Hand protection	Butyl rubber gloves. Gloves must be inspected prior to use.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Color	Red
Odor	Characteristic
pH	not determined
Initial boiling point	> 150
Flash point	> 100
Flammability limits	not determined
Upper Explosive Limit	not determined
Lower Explosive Limit	not determined
Vapor pressure	not determined
Water solubility	not determined
Partition coefficient (n-octanol/water)	not determined
Autoignition temperature	not determined
Decomposition temperature	not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Peroxides. Reducing agents.
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10.4. Conditions to avoid

	Light. Keep only in the original container at a temperature not exceeding 4 - 25 C °C. Can polymerize with intense heat release. Keep container tightly closed.
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10.5. Incompatible materials

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10.5. Incompatible materials

Heavy metals. Acids. Alkalis. Oxidizing agents. Reducing agents.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1 Information on hazard classes

Skin corrosion/irritation	Urethane Dimethacrylate (UDMA): Oral, Rat LD50 (>5000), Dermal, Rat LD50 (>2000), Inhalation (4 h LC50) (>5 mg/l). Acrylic Resin: Oral, Rat LD50 (>2000), Dermal, Rat LD50 (>2000). Phosphine Oxide: Oral, Rat LD50 (>2000), Dermal, Rat LD50 (>2000), Inhalation (4 h LC50) (>5 mg/l).
	CAUSES SKIN IRRITATION. Skin corrosion. May cause allergic reactions in susceptible people. May cause sensitization by skin contact.
Carcinogenicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.

11.1.13. Other information

The statement is derived from the properties of the single components.

SECTION 12: Ecological information

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data available.

SECTION 13: Disposal considerations

Disposal methods

Dispose of in compliance with all local and national regulations. Do not allow runoff water to enter sewers or drains. Do not flush into surface water.

Disposal of packaging

This material and its container must be disposed of as hazardous waste.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

DOT	9
Subsidiary risk	-
IMDG	9
Subsidiary risk	-

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14.3. Transport hazard class(es)

IATA	9
Subsidiary risk	-

14.4. Packing group

Packing group	III
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14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

DOT

Hazard ID	90
Tunnel Category	(E)

IMDG

EmS Code	F-A S-F
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IATA

Packing Instruction (Cargo)	964
Maximum quantity	450 L
Packing Instruction (Passenger)	964
Maximum quantity	450 L

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory. SARA Section 311/312 Hazards: urethane dimethacrylate (UDMA) (72869-86-4): Immediate (acute) health hazard. Acrylic-resin (-): Immediate (acute) health hazard. Phosphine oxide (-): Immediate (acute) health hazard. This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
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SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3	Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
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