



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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R&R Ground Walnut Shells

Revision 0
Revision date 2021-06-21

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

1.1. Product identifier

Product name	R&R Ground Walnut Shells
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Foundry material.
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1.3. Details of the supplier of the safety data sheet

Company	Ransom & Randolph
Address	3535 Briarfield Boulevard, PO Box 1570 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	dyouel@ransom-randolph.com

1.4. Emergency telephone number

Emergency telephone number	USA +1 419 865 9497
Company	Ransom & Randolph Co. 08:00-17:00 (US Eastern Std. / GMT minus 5)

SECTION 2: Hazards identification

2.2. Label elements

Hazard Statement	No Significant Hazard
Hazard Statement	Warning - May form combustible dust concentrations in air.
SUPPLEMENTAL HAZARD INFORMATION	EUH018 - In use may form flammable/explosive vapour-air mixture.

Further information

Further information	Not applicable. PBT and vPvB assessment.
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SECTION 3: Composition/information on ingredients

3.1. Substances

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Powdered Organic Amendment					90 - 100%	

Further information

Further information	Full text for all Risk Phrases mentioned in this section are displayed in Section 16.
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash with soap and water.
Ingestion	Drink 1 to 2 glasses of water. DO NOT INDUCE VOMITING.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions. Water spray. Alcohol resistant foam. Carbon dioxide (CO ₂). Dry chemical.
	Do NOT use water jet.

5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
	May form combustible dust concentrations in air.

5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear suitable protective clothing.
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Further information

	SECTION 9: Physical and chemical properties. Risk of dust explosion may be formed in fire conditions.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid raising dust. Wear suitable respiratory equipment when necessary. Avoid sparks, flames, heat and sources of ignition. Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking.
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6.2. Environmental precautions

	Avoid release to the environment. Refer to special instructions/Safety data sheets.
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6.3. Methods and material for containment and cleaning up

	Avoid raising dust. Use explosion proof equipment. Clean the area using a vacuum cleaner. Transfer to suitable, labelled containers for disposal. If sweeping use. Dust binding agents.
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6.4. Reference to other sections

	See section [2, 8 & 13] for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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7.1. Precautions for safe handling

	Avoid raising dust. Avoid sparks, flames, heat and sources of ignition. Ensure adequate ventilation of the working area. May form combustible dust concentrations in air.
	Do not eat, drink or smoke in areas where this product is used or stored. Wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

	Keep containers tightly closed. Keep container dry. Keep away from incompatible materials. Strong acids and strong bases. Strong oxidising agents.
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7.3. Specific end use(s)


	Foundry material.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Exposure limits - Particles Not Otherwise Classified (PNOC) - 5 mg/m ³ TWA OSHA PEL (respirable fraction) 15 mg/m ³ TWA OSHA PEL (total dust).
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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area. Appropriate local exhaust ventilation is required. Take precautionary measures against static discharge. Use explosion proof equipment. Provide eye wash station.
8.2.2. Individual protection measures	Protective clothing.
Eye / face protection	In case of splashing, wear:.. Approved safety goggles. safety glasses with side-shields.
Skin protection - Handprotection	Wear suitable gloves.
Respiratory protection	Suitable respiratory equipment.
8.2.3. Environmental exposure controls	Not normally required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Solid/Granules.
Colour	Light brown
Odour threshold	Not applicable.
pH	7.5
Freezing Point	Not applicable.
Initial boiling point	Not applicable.
Flash point	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available
Vapour density	Not applicable.
Relative density	<
Fat Solubility	Not applicable.
Partition coefficient	Not applicable.
Autoignition temperature	Not applicable.
Viscosity	No data available
Explosive properties	=
Oxidising properties	Not applicable.
Melting point	Not applicable.
Evaporation rate	Not applicable.
Solubility	Insoluble in water

9.2. Other information

Conductivity	Not applicable.
Surface tension	Not applicable.
Bulk Density	0.64 g/cm ³
Gas group	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

	Not applicable.
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10.2. Chemical stability

	Stable under normal conditions. see. SECTION 7: Handling and storage.
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10.3. Possibility of hazardous reactions

	No Significant Hazard.
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10.4. Conditions to avoid

	10.5. Incompatible materials.
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10.5. Incompatible materials

	Strong oxidising agents. Strong acids. Strong bases.
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10.6. Hazardous decomposition products

	Carbon oxides. Organic materials. may be formed in fire conditions.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No Significant Hazard.
Skin corrosion/irritation	No irritation expected.
Serious eye damage/irritation	No irritation expected.
Respiratory or skin sensitisation	No sensitization effects reported.

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11.1. Information on toxicological effects

Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	No observed effect level. No observed effect concentration.
STOT-single exposure	No known adverse health effects.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	No Significant Hazard.

11.1.4. Toxicological Information

R&R Ground Walnut Shells	Oral Mouse LD50: 2000 mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
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12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	Does not bioaccumulate.
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Partition coefficient

	R&R Ground Walnut Shells Not applicable.
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12.4. Mobility in soil

	Not determined.
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12.5. Results of PBT and vPvB assessment

	Not determined.
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12.6. Other adverse effects

	Not applicable.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of in compliance with all. local and national regulations.
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Disposal methods

	Contact a licensed waste disposal company.
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Disposal of packaging

	Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Regulations

U.S. FEDERAL REGULATIONS: R&R Ground Walnut Shells . CERCLA 103 Reportable Quantity: are not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:
Hazard Category For Section 311/312: none

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: Not applicable

U.S. STATE REGULATIONS

California Proposition 65: This product contains the following substances known to the State of California to cause cancer: none.

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Further information

Training
Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.