

MATERIAL SAFETY DATA SHEET

HMIS: Health- 1 Flammability- 0 Reactivity- 0 Pers. Protection- N
NFPA: Health- 1 Flammability- 0 Reactivity- 0 Special Hazard- N
WHMIS: D 2 B

Section 1: Product and Company Identification

Product: NeutrOGran Odor Neutralizing Granules
T-Ray Specialties Inc.
7817 N Hull Avenue
Kansas City, MO 64151
Synonyms:
Non-Emergency: 24 hr Emergency Spill Information:
US 816-589-8729
International

Section 2. Hazards Identification

EMERGENCY OVERVIEW

Appearance/Odor: Gray-brown granules
NOT Classified as hazardous by the criteria of NOHSC.



WARNING

Flammability : Not classified as flammable
Health Hazards Listed : Sensitivity to dust inhalation
Ecological Hazards Listed : None known
Potential Health Effects: See section 11 for more information.
Risk Phrases: R22 - Harmful if swallowed
R37 - Irritating to respiratory system
R20 - Harmful by inhalation
Safety Phrases: S2 - Keep out of the reach of children
S13 - Keep away from food, drink and animal feedingstuffs
S25 - Avoid contact with eyes

Likely Routes of Exposure: Respiration

Eye: Direct exposure may irritate
Skin: Prolonged or repeated exposure may irritate
Ingestion: Not expected to be a problem
Inhalation: Classified as Group 3 (not classifiable for human) by IARC
Medical Conditions Aggravated By Exposure:
Allergies to fragrances; Asthma or preexisting respiratory problems
Target Organs: Lungs, see below

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). Potential Environmental Effects: (See section 12 for more information.)

None known

Section 3. Composition/Information on Ingredients

Component	CAS#	% by Weight	WHMIS Controlled
Silica, fused, aggregate	60676-86-0	40-50	Y
Water	7732-18-5	10-15	N
Odor Counteractant	NA	4-5	N
Silica, Clinoptilolite	14464-46-1	1-2	N
Silica: Quartz	14808-60-7	0-4	Y

Section 4. First Aid Measures

Eye Contact:	S26: Flush eyes with copious amounts of clean water, holding lids open. If irritation persists, consult a physician.
Skin Contact:	S28: Wash with soap and water.
Inhalation:	S63: Remove to fresh air if irritation, cough, shortness of breath occurs.
Ingestion:	S 64: If conscious, give water or milk to drink.
Note to Physicians:	Inhalation of fragrance is not expected to be a problem. Inhalation of dry dust may cause discomfort to allergies / sensitivities

Section 5. Fire Fighting Measures

Suitable Extinguishing Media:	Foam, carbon dioxide, dry chemical
Unsuitable Extinguishing Media:	Fragrance portion could float on surface of water and continue burning
Products of Combustion:	Oxides of carbon and nitrogen.
Protection of Firefighters:	Due to residual silica, self-contained breathing apparatus or dust mask is recommended

Section 6. Accidental Release Measures
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Personal Precautions:	Keep away from skin and eyes. If product appears dry or dusty, wear dust mask or respirator.
Environmental Precautions:	Keep out of surface waters and sanitary sewers.
Methods for Containment:	No special requirements. Liquid portion is adsorbed on mineral carrier.
Methods for Clean-Up:	Sweep up or shovel up for disposal.
Other Information:	After granular powder has been swept or shoveled up, area of spill may be mopped with soap and water.

Section 7. Handling and Storage

HANDLING

Keep away from skin and eyes. If product is dry or dusty, wear dust mask or respirator.

STORAGE

S 2: Keep out of the reach of children. Store in original container at ambient temperatures.

Section 8. Exposure Controls/Personal Protection
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EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Silica, fused, aggregate	TLV 3 mg/ m3	NA

Water	NA	NA
Odor Counteractant	NA	NA
Silica, Clinoptilolite	NA	NA
Silica: Quartz	TLV 10 mg/cu m (0.0008% respirable)	Not determined

Engineering Controls: Normal Ventilation

Eye/Face Protection: Remove contact lenses (due to possible dust), Flush eyes with water if irritation occurs.

Skin Protection: Wash with soap and water. If sensitive skin, wear protective gloves.

Respiratory Protection: Dust mask or respirator recommended, especially if product appears dry or dusty. If inhaled remove to fresh air.

General Hygiene Considerations: Reasonable care. S 13: Keep away from food and beverages.

Section 9. Physical and Chemical Properties

Color: Gray to brown	Odor: Spicy
Physical State: Granular Solid	Odor Treshhold:
pH: Not applicable	Freezing Point: Not applicable
Evaporation Rate: Not applicable	Boiling Point: Not applicable
Flash Point: Not applicable	Flammability(solid,gas): Not considered flammable.
Upper Flammability Limit: Not determined	Lower Flammabilty Limit: Not determined
Vapor Pressure:	Specific Gravity: Not determined. Bulk density greater than 0.75 g/mL
Vapor Density: Not determined	Auto-ignition Temperature: Not determined
Volatile Organic Compound (VOC),%weight:	Solubility (water): Insoluble
Less than 5%, all fragrance	Percent Volatile: Less than 20% including water

Section 10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: None known

Incompatable Materials: Unsaturated organic compounds such as turpentine, vegetable oil, and hydrofluoric acid may generate heat when mixing with dry clay.

Hazardous Decomposition Products: None known

Possibility of Hazardous Reactions: Extremely improbable

Section 11. Toxicology Information

ACCUTE EFFECTS

Oral LD50:	Not determined for mixture. Weighted average more than 6 grams per kilogram, acute.
Dermal LD50:	Not considered toxic by skin contact. Weighted average more than 5 grams per kilogram, acute.
Inhalation:	Not considered acutely toxic by inhalation. Weighted average more than 4 milligrams per Liter.
Eye Irritation:	R 36: Direct contact can irritate eyes
Skin Irritation:	R 38: Prolonged or repeated contact can irritate skin
Sensitization:	Sensitivity to residual silica may occur after long term exposure.

CHRONIC EFFECTS

Carcinogenicity: Mixture contains zeolite which is Class 3 (not classifiable to humans) by IARC. Residual Silica is a suspected carcinogen however the low levels in this product would not cause adverse effects with normal use.

Mutagenicity: None known

Reproductive Effects: None known

Developmental Effects: None known

Section 12. Ecological Information

Ecotoxicity: None known

Persistence/Degradability: None known.

Bioaccumulation/Accumulation: Mineral carrier is persistent. Fragrance is biodegradable.

Mobility in Environment: None known

Section 13. Disposal Considerations

Disposal: Mineral carrier is not mobile.

Section 14. Transportation Information

US DOT (ground)

Proper Shipping Description: Dispose according to Federal, State or Provincial, and Local regulations

CANADA TDG (ground)

Proper Shipping Description: Not a Hazardous Material

ICAO (air)

Proper Shipping Description: Not a Dangerous Good

IMDG (water)

Proper Shipping Description: Not a Dangerous Good

Section 15. Regulatory Information

Global Inventories

TSCA: United States Included

DSL: Canada Included

ECL: Korea Not-Known

PICCS: Philippines Not-Known

ENCS: Japan Not-Known

AICS: Australia Included

IECS: China Not-Known

EINECS: European Union Included

SARA 313 Information : Does not contain reportable concentrations of any SARA 313 Substances

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

Not classifiable by IARC. Product mixture may contain negligible amounts of silica.

WHMIS: Canadian Workplace Hazardous Material Information System

D 2 B

Section 16. Other Information

Legends:

NFPA, HMIS:

MSD Sheet for Product: NeutrOGran Odor Neutralizing Granules, Rev. Date: 19 June 2013

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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