

# **SAFETY DATA SHEET - 16 Sections**

WHMIS CLASSIFICATION:

The Schundler Company

Product Identifier

## **SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

· · ·		Not Applicable			
Product Use Light weight aggregate, Hortic	cultural a	ggregate, Insulation,	Packing Material, A	Absorbent	
Manufacturer's Name The Schundler Company			Supplier's Name		
Street Address 10 Central St.			Street Address		
City, State Nahant, MA			City	Province	
Postal Code 01908			Postal Code	Emergency Telephone	
Date SDS Prepared August 3, 2015 rev Feb 2021		SDS Prepared By Schundler Consultir	ng	Phone Number <b>732-287-2244</b>	
SECTION 2 - HAZARDS	S IDEN	TIFICATION			
Route of Entry Skin Contact	t □s	Skin Absorption   Ey	e Contact Inhal	ation	
area. Pick up released product in appropriate containers for dis operations may be contaminate	with approposal. Alt d and sho	opriate implements an though the product itsebuld be treated as haz	d return to original c elf is non-hazardous ardous unless speci	s not involved in the cleanup out of the container if reusable. If not reusable, place, material collected during clean up fic testing, including TCLP, shows the o present an environmental hazard.	
WHMIS Symbols  Not Regulated					
Potential Health Effects					
-		ay cause dryness if prolon and redness) if dust	= -		
	culates, i	nhalation of high conc	entrations of vermic	ree and/or silica free-vermiculite. As is ulite dusts and/or particulates over	
Prolonged exposure to respirable crystalline silica (quartz) may cause a progressive, disabling lung disorder (silicosis). Symptoms may include, cough, shortness of breath, wheezing, decrease in pulmonary function, and recurring non-specific pulmonary illness. The onset of symptoms, except in cases of massive exposures, is usually gradual over a period of severy ears and is accompanied by changes in the x-ray picture of lungs. Crystalline silica has been listed a potential human carcinogen (2A) by the International Agency for Research on Cancer (IARC) and as a substance that can be reasonably anticipated to cause cancer in humans by the National Toxicology program.					
Pre-existing lung and skin conditions may possibly be aggravated by exposure to the components of this product.					
Ingestion: Ingestion of small to moderate quantities is not considered harmful, but may cause irritation stomach.				ause irritation of the mouth, throat and	

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (specific)	%	CAS Number	LD 50 of Ingredient (specify species and route)	LC 50 of Ingredient (specify species)	OSHA PEL (mg/m3)	ACGIHTLV (mg/m3)
Vermiculite (Magnesium, Aluminum Iron Silicate)	>98	1318-00-9	Not Available	Not Available	10	1
Silica	<1	14808-60-7	Not Available	Not Available	Not Available	.05

## **SECTION 4 - FIRST AID MEASURES**

Skin Contact

Wash thoroughly with mild soap and water. Seek medical attention if irritation develops. Remove any contaminated clothing and launder thoroughly before reuse.

Eye Contact

Flush eyes with generous quantities of water or eye rinse solution Consult physician if irritation persists.

Inhalation

Remove to fresh air. Blow nose to evacuate dust. . If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention

Ingestion

Drink generous amounts of water to reduce bulk and drying effects.

## **SECTION 5 - FIRE FIGHTING MEASURES**

Flammable	☐ Yes	■ No		
Means of Extin	<u>ction</u>			
Flashpoint (°C	) and Method	Upper F None	ammable Limit (% by volume)	Lower Flammable Limit (% by volume) None
Auto Ignition To	emperature (°C)	Explosio None	n Data—Sensitivity to Impact	Explosion Data—Sensitivity to Static Discharge N/A
Hazardous Cor N/A	mbustion Products	·		
NFPA Health: 1	Flammability: 0	Reactivity: 0	Other: None	

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Personal Precautions:

If dust is present, use respirator fitted with particulate filter as specified in Section 8. Protect eyes with goggles.

Containment and Cleanup:

Vacuum clean dust with equipment fitted with HEPA filter. Use dust suppressant such as water if sweeping is necessary. Although the product itself is non-hazardous, material collected during clean-up operations may be contaminated and should be treated as hazardous unless specific testing, including TCLP, shows the collected material to be non-hazardous

Environment:

Not considered as hazardous waste by RCRA (40 CFR Part 261). Place waste and spillage in closed containers. Dispose of in approved landfill.

### SECTION 7 - HANDLING AND STORAGE

Handing Procedures and Equipment

Minimize dust generation. Avoid contact with eyes. Avoid breathing dust. Repair or dispose of broken bags. Wet mopping or vacuuming with a unit that contains a HEPA filter is recommended to clean up any dusts that may be generated during handling and processing.

**Hazardous Combustion Products** 

Store in a dry place to maintain packaging integrity and product quality. Observe all label precautions and warnings.

## **SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION**

Exposure Limits ACG	_	IA PEL ☐ Othe	er				
Specific Engineering Controls (such	n as ventilation, enclos	sed process)					
Adequate ventilation and	appropriate loc	cal exhaust whe	ere neede	d to keep dust I	level below PE	<ul> <li>L. Local exhaust ver</li> </ul>	ntilation
should be provided to ma							
particulates and 3 mg/M^							
the latest edition of "Indus							
Industrial Ventilation, P.O.	). Box 16153 La	ansing, MI 4891	0. The nee	ed for local exh	aust ventilatior	n should be evaluated	l by a
professional industrial hyg							,
proroccional inductinal riys	9.01.101.1 2004.1 07	Thadet Torrination			ngilou by a pro		
Personal Protective Equipment	Gloves	Respirator	Eye	☐ Footwear	Clothing	☐ Other	
If Checked, Please Specify Type:							•
Skin: No special equipmen	t is required.						
Respiratory: Respirators fit	tod with filtors or	artified to standa	rd 420ED9	RA undar cariac I	NOS chould be	worn when dust is pres	cont If
the dust concentration is le							
concentration is greater that	an ten (10) time:	s and less than	fifty (50) tin	nes the PEL, a f	ull-face piece re	espirator fitted with rep	laceable
N95 filters is recommended	d. If dust concer-	tration is greate	r than fifty (	(50) and less tha	n two-hundred	(200) times the PEL u	ise a
power air-purify (positive p							
times the PEL use a type 0							
consult your respiratory p	rotective equip	ment supplier o	or a profess	sional industrial	hygienist for s	selection of the prope	r
equipment. The evaluation							
Always consult your respi							
							е
proper equipment. The ev	valuation of the	need for respir	atory prote	ection should be	e made by a pi	rofessional industrial	
hygienist.							
Eye: Goggles to protect for	ioni dust.						
Clothing: All soiled or dirty	y clothing and p	personal protec	tive equipr	ment should be	thoroughly cle	aned and reuse.	
L							

# **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

	Odor and Appearance Odorless Tan Flakes, Granules or Powder		Odor Threshold (ppm) N/A
<del></del>	<del></del>		Vapor Pressure (mmHg) N/A
	Boiling Point (°C) N/A		Freezing Point (°C) N/A
<del> </del>			Solubility in Water Insoluble (<1%)

## **SECTION 10 - STABILITY AND REACTIVITY**

Chemical Stability Yes No	If not, under what conditions
Incompatibility with other Substances  Yes No	If yes, which ones? Do not store with strong acids or reducing agents.
Reactivity and under what conditions?  No dangerous reactions known.	
Hazardous Decomposition Products  None. Product is stable to at least 2400°	F.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

#### Effects of Acute Exposure

Potential irritant for skin contact, eye contact or inhalation. Skin contact may aggravate existing dermatitis. Inhalation from prolonged and continuous exposure may aggravate existing asthmatic or respiratory conditions.

#### Effects of Chronic Exposure

Prolonged inhalation of excessive levels vermiculite dust may cause a simple pneumoconiotic condition, not normally associated with a decrement in lung function. In cases of long-term exposure to extremely high levels of dust, complicated pneumoconiosis with lung function may occur.

#### Irritancy of Product

Potential irritant for skin contact, eye contact or inhalation.

Skin Sensitization N/A	Respiratory Sensitization N/A
Carcinogenicity—IARC N/A	Carcinogenicity—ACGIH N/A
Reproductive Toxicity N/A	Teratogenicity N/A
Embrotoxicity N/A	Mutagenicity N/A
Name of Synergistic Products/Effects N/A	

## **SECTION 12 - ECOLOGICAL INFORMATION**

#### Aquatic Toxicity

Generally considered inert. In vitro ecotoxicity studies conducted on aqueous extracts of the product under the auspices of the South African Department of Water Affairs and Forestry in 1998 indicated that the product most probably is not toxic to the environment. In each of the ecotoxicity tests cited below, 50 grams of the product were extracted with a liter of distilled water. The resulting solution was used to derive the toxicity parameters. The 48 hour ECo and ECo (Daphnia pulex lethality) were determined to be >50 milligrams of extract per liter (mg/l). The 72 hour ECo and ECo (algal, Selenastrum capricornutum, growth inhibition) were determined to be >50 mg/l. The 72 hour ECo and ECo (bacterial, Pseudomonas putida, growth inhibition) were determined to be >50 mg/l. The 48 hour ECo and ECo (frog, Xenopus laevis, embryo lethality) were determined to be >50 mg/l.

### **SECTION 13 - DISPOSAL CONSIDERATIONS**

## Waste Disposal

Not considered hazardous waste by the RCRA (40 CFR Part 261). Place waste and <u>spillage in closed containers</u>. Dispose in accordance with Federal, State and Local regulations.

## **SECTION 14 - TRANSPORT INFORMATION**

Special Shipping Information No known shipping regulations.	PIN N/A
IDG	DOT
N/A	N/A
IMO	ICAO
N/A	N/A

## **SECTION 15 - REGULATORY INFORMATION**

WHMIS Classification Not Controlled	OSHA Irritant, Lung Hazard, Skin Hazard, Eye Hazard
SERA Acute Hazard for minute contamination with silica. Otherwise, SARA Section 311/312 (40 CFR 370 Subparts B and C) Acute Health: No Chronic Health: No Fire: No Pressure: No Reactive: No	TSCA Not listed

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS / SDS contains all of the information required by CPR.

## **SECTION 16 - OTHER INFORMATION**

Notice: This information relates only to the material designated and may not be valid for such material used in combination with any other materials or in any process. All statements, information and data provided are believed to be accurate and reliable, but are presented without any guarantee, representation, warranty or responsibility of any kind, expressed or implied. Any and all representations and/or warranties of merchantability of fitness for a particular purpose are specifically disclaimed. Users should make their own investigations as to the suitability of the information or product for their particular purpose. Nothing in this document is intended as permission, inducement or recommendation to violate any laws or practice any invention covered by existing patents, copyrights or inventions. The Schundler Company does not accept liability for any loss or damage that may occur from the use of this information.