

Veskar

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 09/21/2021

Revision date: 10/04/2021

Supersedes: 09/29/2021

Version: 1.13

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Veskar
CAS-No. : Mixture Section 3 (91772-09-7, 65996-69-2, 8001-22-7)
Product code : M80435
Synonyms : Product Description: Silicon Fertilizer derived from Calcium Silicate, Calcium Magnesium Silicate found in Iron and Steel Slag. Treated with Soybean Oil to control dust.

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Fertilizer

1.3. Supplier

Simplot AB Retail, Inc., DBA Simplot Turf and Horticulture
P.O. Box 9296
Boise, ID 83707

1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute toxicity (inhal.), Category 4	H332 Harmful if inhaled.
Skin corrosion/irritation, Category 2	H315 Causes skin irritation.
Serious eye damage/eye irritation, Category 2B	H320 Causes eye irritation
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335 May cause respiratory irritation.

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :  GHS07

Signal word (GHS US) : Warning

Hazard statements (GHS US) : H315 - Causes skin irritation.
H320 - Causes eye irritation
H332 - Harmful if inhaled.
H335 - May cause respiratory irritation.

Precautionary statements (GHS US) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of water/...
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a poison center/doctor/... if you feel unwell
P321 - Specific treatment (see supplemental first aid instruction on this label)
P332+P313 - If skin irritation occurs: Get medical attention
P337+P313 - If eye irritation persists: Get medical attention
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Veskar

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.3. Hazard-determining components of labeling

Basic Oxygen Furnace (BOF) Slag / Blast Furnace (BF) Slag / Soybean Oil

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Larnite, beta-dicalcium-silica [Beta - Ca₂SiO₄]

Mayenite [Ca-Al]

Magnetite [Fe₃O₄]

Calcite, calcium-carbonate [CaCO₃]

Periclase [Mg]

Akermanite / Gehlenite [Ca-Mg-Si]

Lizardite [Mg-Si]

Quartz / SiO₂

Soy Bean Oil

3.2. Mixture of substances listed below with nonhazardous additions.

91722-09-7 Basic Oxygen Furnace (BOF) Slag
Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 50 - 100%
3, H335; Eye Irrit. 2B, H320

65996-69-2 Blast Furnace (BF) Slag
Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE <50%
3, H335; Eye Irrit. 2B, H320

8001-22-7 Soybean Oil <1%

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : Symptoms of poisoning may even occur after several hours; medical observation should continue for at least 48 hours after the accident.
- First-aid measures after inhalation : Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Seek medical attention for discomfort or if coughing or other symptoms do not subside.
- First-aid measures after skin contact : Wash with cool water and a pH neutral soap or a mild skin detergent. Seek medical attention for rash, burns, irritation and prolonged unprotected exposure.
- First-aid measures after eye contact : Flush with water immediately for at least 15 minutes, including under the lids to remove all particles. Seek medical attention for abrasions and burns.
- First-aid measures after ingestion : Do not induce vomiting. If conscious, have person drink plenty of water. Seek medical attention or contact poison control center immediately.

4.2. Most important symptoms and effects (acute and delayed)

- Potential adverse human health effects and symptoms : No further relevant information available.

4.3. Immediate medical attention and special treatment, if necessary

No further relevant information available.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Do not use water. Fight larger fires with alcohol resistant foam.
- Unsuitable extinguishing media : Water.

5.2. Specific hazards arising from the chemical

- Fire hazard : None.
- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
- Additional Information: Application of water to burning oil can cause spattering. Oil will float on water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment. Keep unprotected persons away.
- Emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Do not touch spilled material.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Pick up mechanically or by hand tools and reuse or dispose of as a common
- Other information : non-hazardous material in accordance with applicable federal, state and local regulations. Wetting the material prior to clean up may be necessary to suppress dust.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Use personal protection equipment as outlined in section 8.
- Hygiene measures : Respirable dust may be generated during processing, handling, and storage. Information about protection against explosions and fires: No special measures required. Environmental Precautions: Do not allow to enter sewers / surface or ground water.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Conditions for safe storage, including any incompatibilities: Storage: Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Not required. Further information about storage conditions: None. Specific end use(s): No further relevant information available.

Veskar

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Veskar (Mixture Section 3 (91772-09-7, 65996-69-2, 8001-22-7))

USA - ACGIH – TLV's for Nuisance Dusts-Exposure Limits

ACGIH remark (BEI)	Total Dust: 10mg/M3 --- <1% quartz max. Respirable dust: 5mg/M3 <1% quartz max.
--------------------	---

8.2. Appropriate engineering controls

Components with occupational exposure limits: : The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: The lists that were valid during the creation of this SDS were used as basis.

Environmental exposure controls : Provide general ventilation in processing and storage. Provide local exhaust when to reduce dust levels below acceptable limits.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing Equipment;

NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

Protection of Hands:

Protective Gloves

Material of gloves Waterproof or water resistant material

Eye protection:

Wear ANSI approved glasses or goggles to prevent eye contact. Splash shields should be worn in wet conditions. Wearing contact lenses in dusty conditions is not recommended.

Body protection:

Wear hard hats, protective clothing and hard toed shoes to protect from impact and abrasion. In wet conditions, impervious PPE should be worn to protect the skin.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Granule.
Colour	: Grey
Odour	: Not Distinctive
Odour threshold	: No data available
pH	: 0 (9.5 – 12.5) In water

Veskar

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 3.1 – 3.6 (Bulk)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: > 200 F
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Un-weathered steel slag may contain potentially expansive compounds (Free Lime & Periclase)

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

Corrosivity:

Non-Corrosive (OECD 431)

Primary irritant effect:

Elevated pH in moist conditions may cause irritation to the skin, and eyes or aggravate existing conditions. Can cause serious eye irritation.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Harmful / Irritant

Carcinogenic categories:

IARC (International Agency for Research on Cancer):

Iron and steel furnace slag is not listed as a carcinogen by IARC; however, slag contains trace amounts of crystalline silica which is classified by IARC as known human carcinogens.

Veskar

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

NTP (National Toxicology Program):

None of the ingredients are listed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Aquatic toxicity: No further relevant information available.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

General notes: Not known to be hazardous to water.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : **Recommendation:**
Observe all federal, state and local environmental regulations when disposing of this material.
Uncleaned packaging(s):
Recommendation: Disposal must be made according to official regulations

SECTION 14: Transport information

UN-Number

DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

UN Proper Shipping Name:

DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA

Class: Non-Regulated Material

Packing Group

DOT, ADR, IMDG, IATA: Non-Regulated Material

Environmental hazards: Not applicable

Special precautions for user: Some areas require the use of tarps on trucks for containment of dust.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable.

UN "Model Regulation": Not Applicable.

SECTION 15: Regulatory information

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

Sara

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

This material may contain chemicals subject to the reporting requirements of this

Veskar

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

section of the Emergency Planning and Community Right to Know Act of 1986. Chemical Name: Manganese, Concentration Range: 3 – 8%

TSCA (Toxic Substances Control Act):

None of the ingredients is listed.

California Proposition 65

Chemicals known to cause cancer:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed

GHS label elements:

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard Pictograms



GHS07

Signal word: Warning

Hazard-determining components of labeling:

Basic Oxygen Furnace (BOF) Slag / Blast Furnace (BF) Slag

Hazard statements:

Harmful if inhaled.

Causes skin and eye irritation.

May cause respiratory irritation.

Precautionary statements:

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Wash thoroughly after handling.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.

If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local / regional / national / international regulations

Veskar

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Dangerous Components:

91722-09-7 Basic Oxygen Furnace (BOF) Slag

Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 50 - 100%
3, H335; Eye Irrit. 2B, H320

65996-69-2 Blast Furnace (BF) Slag

Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE <50%
3, H335; Eye Irrit. 2B, H320

8001-22-7 Soybean Oil <1%

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA) PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3