Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name : **Seed SLIK - Talc**

Product Code : 45540, 45541

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) : Seed lubricant

1.3 Details of the supplier of the safety data sheet

Manufacturer : Superior Graphite
10 S. Riverside Plaza
Chicago, IL 60606
United States

Telephone (General) : 312-559-2999 - (8-5 CST, M-F)

1.4 Emergency telephone number

Manufacturer : 1-800-424-9300 - For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night

Manufacturer : +1 703-527-3887 - Outside USA and Canada (collect calls accepted)

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP : Specific Target Organ Toxicity Repeated Exposure 1 - H372

DSD/DPD : Toxic (T)
R48/20

2.2 Label Elements

CLP

DANGER

Hazard statements : H372 - Causes damage to organs - Lungs through prolonged or repeated exposure via Inhalation

Precautionary statements

Prevention : P260 - Do not breathe dust.
P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

Response | P314 - Get medical advice/attention if you feel unwell.

Storage/Disposal | P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD

Risk phrases | R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety phrases | S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3 Other Hazards

CLP | According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD | This product is considered dangerous according to the European Directive 67/548/EEC.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 | Specific Target Organ Toxicity Repeated Exposure 1

2.2 Label elements

OSHA HCS 2012

DANGER

Hazard statements | Causes damage to organs - Lungs through prolonged or repeated exposure via Inhalation

Precautionary statements

Prevention | Do not breathe dust.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.

Response | Get medical advice/attention if you feel unwell.

Storage/Disposal | Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

OSHA HCS 2012 | Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS | Other Toxic Effects - D2A

2.2 Label elements

WHMIS

Other Toxic Effects - D2A

2.3 Other hazards

WHMIS

In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

Composition					
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/Directive**	**Comments**
Talc	**CAS:**14807-96-6 **EC Number:**238-877-9	100%	NDA	**EU DSD/DPD:** Self Classified: T R48/20 **EU CLP:** Self Classified: STOT RE 1 (Lungs, Inhl), H372 **OSHA HCS 2012:** STOT RE 1 (Lungs, Inhl)	NDA

3.2 Mixtures

Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. If breathing is difficult get medical attention.

Skin

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If irritation develops and persists, get medical attention.

Eye

In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Get medical attention.

Ingestion

Do NOT induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media LARGE FIRE: Water spray, fog or regular foam.

SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media | No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards | None known.

Hazardous Combustion Products | No data available

5.3 Advice for firefighters

| Wear positive pressure self-contained breathing apparatus (SCBA).
Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions | Avoid contact with material that generates respirable dust unless proper PPE is used. Do not walk through spilled material.

Emergency Procedures | Use normal clean up procedures. Ventilate closed spaces before entering.

6.2 Environmental precautions

| Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures | Avoid generating dust.
Carefully shovel or sweep up spilled material and place in suitable container.
The use of water wash is not recommended. Wet material can cause a surface to become very slippery.

6.4 Reference to other sections

| Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling | Use only with adequate ventilation. Use appropriate Personal Protective Equipment (PPE) Do not breathe dust. Talc can cause slippery conditions. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage | Keep container closed. Store in a dry, well-ventilated place.

7.3 Specific end use(s)

| Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines			
	Result	**ACGIH**	**NIOSH**
Talc (14807-96-6)	TWAs	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m3 TWA (containing no Asbestos and <1% Quartz, respirable dust)

8.2 Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. All dust control equipment should contain explosion relief vents or an explosion supression system or an oxygen-deficient environment. Make sure that dust handling systems are designed to prevent escape of dust into the work area and that they do not leak.

Personal Protective Equipment

Respiratory

- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses). Eye wash station should be available.

Hands

- Wear appropriate gloves.

Skin/Body

- Wear long sleeves and/or protective coveralls.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Grayish-white solid with no odor.
Color	Grayish-white	Odor	Odorless
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	1000 C(1832 F)
Decomposition Temperature	Data lacking	pH	Not relevant
Specific Gravity/Relative Density	= 2.8	Water Solubility	Insoluble
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

Will not occur.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents, acids, and alkalis.

10.6 Hazardous decomposition products

None known.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Talc (100%)	14807-96-6	**Irritation:** Skin-Human • 300 µg 3 Day(s)-Intermittent • Mild irritation; **Tumorigen / Carcinogen:** Inhalation-Rat TCLo • 18 mg/m³ 6 Hour(s) 2 Year(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Lungs, Thorax, or Respiration*:**Bronchiogenic carcinoma**; *Endocrine*:**Tumors**

GHS Properties	Classification
Acute toxicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Aspiration Hazard	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Carcinogenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Germ Cell Mutagenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Skin corrosion/Irritation	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Skin sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
STOT-RE	**EU/CLP** • Specific Target Organ Toxicity Repeated Exposure 1 **OSHA HCS 2012** • Specific Target Organ Toxicity Repeated Exposure 1
STOT-SE	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Toxicity for Reproduction	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Respiratory sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking

Serious eye damage/Irritation	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking

Potential Health Effects

Inhalation

Acute (Immediate) | Exposure to dust may cause irritation.

Chronic (Delayed) | Long term inhalation may result in pulmonary fibrosis with shortness of breath, chronic cough, and respiratory heart failure. Prolonged exposure can produce a symptomatic talc pneumoconiosis.

Skin

Acute (Immediate) | Exposure to dust may cause mechanical irritation.

Chronic (Delayed) | No data available.

Eye

Acute (Immediate) | Exposure to dust may cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.

Chronic (Delayed) | No data available.

Ingestion

Acute (Immediate) | Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.

Chronic (Delayed) | No data available.

Key to abbreviations

TC = Toxic Concentration

Section 12 - Ecological Information

12.1 Toxicity

| Data lacking.

12.2 Persistence and degradability

| Data lacking.

12.3 Bioaccumulative potential

| Data lacking.

12.4 Mobility in Soil

| Data lacking.

12.5 Results of PBT and vPvB assessment

| PBT and vPvB assessment has not been conducted for this material.

12.6 Other adverse effects

| No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste | Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste | Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user : None specified.

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

Section 15 - Regulatory Information

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

SARA Hazard Classifications : Chronic

Inventory					
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS
Talc	14807-96-6	Yes	No	Yes	No

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Talc	14807-96-6	D2A

Canada - WHMIS - Ingredient Disclosure List

• Talc	14807-96-6	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Talc	14807-96-6	Not Listed

Europe

Other

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)

• Talc	14807-96-6	Not Listed

Japan

Environment

Inventory - Japan - Industrial Safety and Health Law Substances (ISHL)

• Talc	14807-96-6	Not Listed

Other

Japan - Chemical Substance Control Law (CSCL) - Monitoring Chemical Substances

• Talc	14807-96-6	Not Listed

Japan - Poisonous and Deleterious Substances - Substances Not Considered Deleterious

• Talc	14807-96-6	Not Listed

Japan - Poisonous and Deleterious Substances - Substances Not Considered Poisonous

• Talc	14807-96-6	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Talc	14807-96-6	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Talc	14807-96-6	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Talc	14807-96-6	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Talc	14807-96-6	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Talc	14807-96-6	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Talc	14807-96-6	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Talc	14807-96-6	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Talc	14807-96-6	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Talc	14807-96-6	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Talc	14807-96-6	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Talc	14807-96-6	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Talc	14807-96-6	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Talc	14807-96-6	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Talc	14807-96-6	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Talc	14807-96-6	Not Listed

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

Section16-OtherInformation

Last Revision Date 25/March/2015

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Key to abbreviations

NDA = No data available