



# Safety Data Sheet

Revision Date: 15-May-2023

Revision Number: 4

## 1. Identification

**Product Name:**  
Yelkin TS

**Product Code:**  
700160

**Use of the Substance / Preparation:**  
Food Ingredient.

**Supplier:**  
Archer Daniels Midland Company  
4666 Faries Parkway  
Decatur, IL 62526, USA  
Telephone Number: (+1) 217-424-5200

**Emergency response telephone number:**  
Chemtrec 1-800-424-9300 (CCN 1635)

## 2. Hazard(s) identification

### Emergency Overview

Spontaneous combustion (fire) may result from oil soaked materials such as rags, steel wool, paper, and clothing. Place soaked materials in a sealed, metal container to prevent this. The product contains no substances which at their given concentration, are considered to be hazardous to health. Contains soy. May produce an allergic reaction.

**Appearance**  
Yellow to Amber

**Physical State**  
Viscous liquid

**Odor**  
Typical

**This product is NOT classified as hazardous according to the criteria contained in the Hazard Communication Standard 29 CFR 1910.1200 (known as HCS 2012) or the Hazardous Products Regulations SOR/2015-17 (known as WHMIS 2015). However, vegetable oil (in mist form) is known to be listed as an OSHA 29 CFR 1910.1000 Air Contaminant. Occupational exposure limits are subsequently provided in section 8 of this SDS.**

## 3. Composition/information on ingredients

NonHazardous

Chemical Name	CAS-No	Weight %	North American Substance Hazard Class
Lecithins, soy	8030-76-0	80 - 100%	None known

## 4. First-aid measures

### Description of first aid measures

**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids.

**Skin Contact** Wash off with warm water and soap.

**Inhalation** Move to fresh air.

**Ingestion** No special measures required. Health injuries are not known or expected under normal use.

**General Advice** Contains soy ingredients which may cause an allergic reaction. When symptoms persist or in all cases of doubt seek medical advice.

### Most important symptoms and affects, both acute and delayed

**Eyes** Not expected to pose health issues for the eye.

**Skin** Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use.

**Inhalation** Health injuries are not known or expected under normal use. When in the form of an airborne mist, refer to section 8 of this sheet for exposure limits pertaining to "vegetable oil mist". Excessive inhalation of mist may result in respiratory irritation.

**Ingestion** Health injuries are not known or expected under normal use. Over exposure may cause: Gastrointestinal disturbance.

### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Special forms of treatment and immediate medical attention are not specified. Treat Symptomatically.

## 5. Fire-fighting measures

### Flammable Properties

Material may pose fire hazard because it is dispersed (or spread) by water.

### Extinguishing media

**Suitable Extinguishing Media** Dry chemical. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Foam. Sand. Fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

### Special hazards arising from the substance or mixture

**Hazardous Combustion Products** Thermal decomposition produces Acrolein, Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Oxides of phosphorous.

**Specific Hazards Arising from the Chemical** Risk of ignition. Rags and other materials containing this product may heat and spontaneously ignite, if exposed to air. Store wiping rags and similar materials in metal cans with tightly fitting lids. Cool closed containers exposed to fire with water spray.

**Sensitivity to mechanical impact** No information available.

**Sensitivity to static discharge** No information available.

### Advice for fire-fighters

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### NFPA

Health 0

Stability and Reactivity 0

Flammability 1

Physical hazard None known



## 6. Accidental release measures

### Personal Precautions, Protective Equipment, and Emergency Procedures

Avoid high pressure washing or generation of aerosols. Material can create slippery conditions.

### Environmental Precautions

Prevent further leakage or spillage. Do not allow product to reach soil, sewage system or any water course.

### Methods and Materials for Containment and Cleaning Up

Dam up. Soak up with inert absorbent material. Use dry spill kit material or sand, collect in appropriate containers. For disposal information see section 13. Clean contaminated surface thoroughly.

### Other Information

Oil soaked materials may spontaneously combust.

## 7. Handling and storage

### Handling

Ensure adequate ventilation. Do not use pressure to empty drums. Keep away from open flames, hot surfaces and sources of ignition.

### Storage

Store in 10-35°C environment. Keep in a cool sheltered place. To maintain product quality, do not store in heat or direct sunlight.

## 8. Exposure controls/Personal protection

### Exposure Limits

When in the form of an airborne mist containing vegetable oil, observe the OSHA and ACGIH established limits for "vegetable oil mist". OSHA PEL: [15 mg/m<sup>3</sup> (mist) 8-hr TWA], [5 mg/m<sup>3</sup> mist (respirable) 8-hr TWA]. ACGIH TLV: [10 mg/m<sup>3</sup> (mist) 8-hr TWA].

### Biological Limit Values

No biological limit values have been listed for the component(s) of this product.

**Appropriate Engineering Controls** Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

### Personal Protective Equipment

#### Eye/face Protection.

If exposed to airborne mist, or if splashing is possible, appropriate safety glasses with side-shields or safety goggles are recommended.

#### Skin and Body Protection

Oil resistant gloves are recommended. Appropriate body protection should be selected based on activity and possible exposure. Also take into consideration the specific local conditions under which the product is used.

#### Respiratory Protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection.



## 9. Physical and chemical properties

<b>Appearance</b>	Yellow to Amber
<b>Physical State</b>	Viscous liquid
<b>Odor</b>	Typical
<b>Odor Threshold</b>	Not applicable
<b>pH</b>	Not applicable
<b>Flash Point</b>	No information available
<b>Autoignition Temperature</b>	No information available
<b>Boiling point</b>	No information available
<b>Melting/Freezing Point</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Oxidizing Properties</b>	Not expected to be oxidising

<b>Water Solubility</b>	Insoluble
<b>Solubility(ies)</b>	Soluble in many organic solvents
<b>Evaporation Rate</b>	No information available
<b>Vapor Pressure</b>	No information available
<b>Vapor Density</b>	No information available
<b>Specific Gravity / Relative Density</b>	1.03 - 1.05
<b>Viscosity (kinematic)</b>	< 100 St @ 77°F/25°C
<b>Partition Coefficient (n-octanol/water)</b>	No information available

## 10. Stability and reactivity

**Stability** Stable under normal conditions.

**Possibility of Hazardous Reactions** None under normal processing.

**Conditions to Avoid** Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible Materials** No materials to be especially mentioned.

**Hazardous Decomposition Products** Thermal decomposition leads to formation of Acrolein. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Oxides of phosphorous.

## 11. Toxicological information

### Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, no evidence of acute toxicity.
<b>Skin corrosion/irritation</b>	Based on available data, not, or only slightly irritating.
<b>Serious eye damage/eye irritation</b>	Based on available data, no evidence of serious eye damage / irritation.
<b>Respiratory or skin sensitisation</b>	Based on available data, not expected to be a skin or respiratory sensitiser.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, no evidence of carcinogenicity.
<b>Reproductive toxicity</b>	Based on available data, no evidence of reproductive toxicity.
<b>STOT - single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, no known aspiration hazard.

### Potential health effects

<b>Eyes</b>	Not expected to pose health issues for the eye.
<b>Skin</b>	Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use.
<b>Inhalation</b>	Health injuries are not known or expected under normal use. When in the form of an airborne mist, refer to section 8 of this sheet for exposure limits pertaining to "vegetable oil mist". Excessive inhalation of mist may result in respiratory irritation.
<b>Ingestion</b>	Health injuries are not known or expected under normal use. Over exposure may cause:. Gastrointestinal disturbance.

## 12. Ecological information

### Ecotoxicity

Not classified for aquatic toxicity.

<b>Persistence/Degradability</b>	Biodegradable.
<b>Mobility</b>	The product is insoluble and floats on water.
<b>PBT and vPvB assessment</b>	No information available.
<b>Other adverse effects</b>	Nothing specific known.

### 13. Disposal considerations

Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

**Waste Disposal Methods**

Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction. Oil soaked materials may spontaneously combust and should be properly managed to avoid ignition and heat sources or oxygen rich environments. Collect and store soaked materials in closed, metal containers to help prevent combustion.

**Contaminated Packaging**

Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal.

### 14. Transport information

**Domestic transport regulations (USA)**

DOT Not regulated

**Domestic transport regulations (Canada)**

TDG Not regulated

**Domestic transport regulations (Mexico)**

MEX Not regulated

**International transport regulations**

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

### 15. Regulatory information

**International Inventories**

The components of this product are reported in the following inventories:.

Chemical Name	TSCA	DSL	NDSL	ICL	EINECS	ELINCS	AICS
Lecithins, soy	Yes ACTIVE	Yes	No	No	Yes 310-129-7	No	No

Chemical Name	ENCS ISHL	CHINA	PICCS	KECL	Taiwan	Turkey	NZIoC
Lecithins, soy	Yes (8)-493	Yes	Yes	Yes Annex 1 (KE-21960)	Yes	Yes 310-129-7	Yes

## USA

**Federal Regulations**
**Ozone Depleting Substances:**

No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

**CERCLA/SARA 103-302**

Sections 103-302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 103-302.

**SARA 311/312 Hazardous Categorization**

Refer to the OSHA hazard classification(s) provided in section 2 of this SDS.

**State Regulations****California Proposition 65**

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would require a warning under the statute.

**State Right-to-Know**

Component Information.

Chemical Name	Weight %	Massachusetts	Minnesota	New Jersey	Pennsylvania
Lecithins, soy	80 - 100%	No	No	No	No

**Canada****(NPRI) Canadian National Pollutant Release Inventory**

No known component is listed on NPRI.

**16. Other information**

**Prepared By:** ADM - Product Regulatory Affairs  
**Revision Date:** 15-May-2023  
**Revision Number:** 4  
**Reason for revision:** Periodic review. This version replaces all previous versions.

**Abbreviations and acronyms**

Ceiling - Ceiling Limit Value: Concentrations that should never be exceeded at any given time (instantaneous)  
CAS - Chemical Abstract Service  
DNEL - Derived No Effect Level  
ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values  
DOT - U.S. Department of Transportation  
A1 - Known Human Carcinogen  
A2 - Suspected Human Carcinogen  
A3 - Animal Carcinogen  
Delisted - Substances Delisted from Report on Carcinogens  
IARC - International Agency for Research on Cancer  
GHS - Globally Harmonized System of Classification and Labelling of Chemicals  
Group 1 - Carcinogenic to Humans  
Group 2A - Probably Carcinogenic to Humans  
Group 2B - Possibly Carcinogenic to Humans  
Known - Known Carcinogen  
IDLH - Immediately Dangerous to Life or Health  
Skin notation - Potential for cutaneous absorption  
OECD - Organisation for Economic Co-operation and Development  
PNEC - Predicted No-Effect Concentration  
NTP - National Toxicology Program  
LD50 - Median lethal dose of a given test population  
LC50 - Lethal concentration that produces fatalities in 50% of a given test population  
NFPA - National Fire Protection Association  
OSHA - Occupational Safety & Health Administration  
OSHA PEL - Occupational Safety and Health Administration Permissible Exposure Limits  
NIOSH - National Institute of Occupational Safety and Health  
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen  
Present - Carcinogen or potential carcinogen to be identified under OSHA's Hazard Communication Standard  
NOAEL - No Observed Adverse Effect Level  
TWA - Time Weighted Average: Average concentration that should not be exceeded during a work day (usually 8-hours)  
STEL - Short Term Exposure Limit: Concentrations that should not be exceeded except for short periods of time ( usually 15-minutes)  
TSCA - Toxic Substances Control Act, Section 8(b) Inventory (USA)  
STOT - Specific Target Organ Toxicity

STV - Short Term Value (same as STEL)

Under Consideration - Under Consideration by the National Toxicology Program

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

End of sheet