Stallion

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	Stallion

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

Uses of the Substance/Mixture	Specific use(s): Agrochemicals

1.3 Details of the supplier of the safety data sheet

Company	Rosen's Inc. 700 SE 291 Hwy Ste. 204 Liberty, MO 64068 Telephone number: 877-781-9191

1.4 Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

HCS 2012 (29 CFR 1910.1200)

Skin corrosion/irritation, Category 2	H315: Causes skin irritation
Serious eye damage/eye irritation, Category 2A	H319: Causes serious eye irritation

2.2 Label Elements

HCS 2012 (29 CFR 1910.1200)

Pictogram

Signal Word	Warning!

Hazard Statements:

H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary Statements

Prevention

P264	Wash thoroughly after handling.

P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P308+P313	If exposed or concerned: Get medical advice/attention.
P362+P363	Take off contaminated clothing. Wash before reuse.
Storage	
P405	Store locked up.
Disposal	
P501	Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards which do not result in classification
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance
Not applicable, this product is a mixture.

3.2 Mixture
Synonyms Adjuvant blend

Hazardous Ingredients and Impurities

Component	CAS Reg. Number	% Wt/Wt
METHYL ESTER, SOYBEAN OIL	67784-80-9	40 - 50
PROPRIETARY	* * * * *	50 - 60

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

4.1 Description of first-aid measures

If inhaled	If breathed in, move person into fresh air. If breathing is difficult, give oxygen. If victim has stopped breathing: Administer CPR (cardio-pulmonary resuscitation). Get immediate medical advice/attention.
Skin contact	In case of contact, immediate flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Seek medical advice. Wash contaminated clothing before re-use.

Eye contact	Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Seek medical advice.
Ingestion	Do not induce vomiting without medical advice. If victim is conscious: Rinse mouth with water. Keep at rest. Do not give anything to drink. Do not leave the victim unattended. Vomiting may occur spontaneously. Risk of product entering the lungs on vomiting after ingestion. Lay victim on side. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Risk	Skin contact may aggravate existing skin disease Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	All treatments should be based on observed signs of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. There is no specific antidote available.

5. FIREFIGHTING MEASURES

Flash Point:
>100 degrees C (>212 degrees F)
Method Used: Closed cup

5.1 Extinguishing Media

Suitable extinguishing media	Extinguishing media – small fires Dry chemical Carbon dioxide (CO2) Extinguishing media – large fires Foam Water spray
Unsuitable extinguishing media	High volume water jet (Frothing possible)

5.2 Special hazards arising from the substance of mixture

Specific hazards during fire fighting	Under fire conditions: Will burn Container may rupture on heating Highly toxic gases are released Hazardous decomposition products formed under fire conditions. On combustion or on thermal decomposition (pyrolysis), releases: Nitrogen oxides (NO_x), Sulfur oxides, Carbon oxides, Oxides of phosphorus, Ammonia, Hydrogen sulfide, Methanethiol, Cyanides, Dimethyl disulfide

5.3 Advice for firefighters

Special protective equipment for firefighters	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment For further information refer to section 8 "Exposure controls/personal protection."

6.2 Environmental precautions

Environmental precautions	Do not flush into surface water or sanitary sewer system. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

6.3 Methods and materials for containment and cleaning up

Prohibition	Use only non-sparking tools.
Methods for containment	Stop leak if safe to do so. Dam up with sand or inert earth (do not use combustible materials).
Recovery	Soak up with inert absorbent material. Shovel or sweep up. Keep in suitable, closed containers for disposal. Never return spills in original containers for re-use.
Decontamination/cleaning	Clean contaminated surface thoroughly. Flush with plenty of water. Recover the cleaning water for subsequent disposal. Decontaminate tools, equipment, and personal protective equipment in a segregated area.
Disposal	Dispose of in accordance with local regulations.

6.4 Reference to other sections

Reference to other sections	7. HANDLING AND STORAGE 8. EXPOSURE CONTROLS/PERSONAL PROTECTION 13. DISPOSAL CONSIDERATIONS

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Technical measures	Do not use sparking tools. Ensure all equipment is electrically grounded before beginning transfer operations.
Advice on safe handling on usage	The product must only be handled by specifically trained employees. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Do not ingest.

Hygiene measures	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	
Recommended	Keep container tightly closed in a dry and well-ventilated place.
To be avoided	Keep away from open flames, hot surfaces, and sources of ignition. Keep away from incompatible materials to be indicated by the manufacturer.
Incompatible products	Do not mix with incompatible materials (see list, section 10).
Storage stability	
Storage temperature	< 113 F (< 45 C)

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Introductory Remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

8.1 Control parameters

Ingredients with workplace control parameters

None known.

8.2 Exposure controls

Control measures	
Engineering measures	Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize exposures: Effective exhaust ventilation system
Personal protective equipment	
Respiratory protection	When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Hand protection	Recommended preventive skin protection: Gloves Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into account the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Eye protection	Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through the use of: Safety glasses with side-shields Face-shield
Skin and body protection	Recommended preventive skin protection Footwear protection against chemicals Impervious clothing Choose body protection according to the amount and concentration of the dangerous substances at the work place.
Hygiene measures	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes or contact with material.
Protective measures	Ensure that eyewash stations and safety showers are close to the workstation location. Emergency equipment immediately accessible, with instructions for use. The protective equipment must be selected in accordance with current local standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

9.1 Information on basic physical and chemical properties

Appearance	Physical state: Liquid Color: Beige to brown.
Odor	Characteristic
Odor Threshold	No data available
pH	No data available

Melting point/range	No data available
Flash point	>100 degrees C (212 degrees F). Closed Cup.
Evaporation rate (butylacetate = 1)	No data available
Flammability (solid, gas)	No data available
Flammability (liquids)	No data available
Flammability/Explosive limit	No data available
Autoignition temperature	No data available
Vapor pressure	No data available
Vapor density	No data available
Density	0.90 - 1.0 g/cm^3 (20 C (68 F))
Solubility	Water Solubility: Emulsifies
Partition coefficient: n-octanol/water	No data available
Thermal decomposition	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other Information
Product does not sustain combustion.

10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Chemical stability — Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
Polymerization — Hazardous polymerization does not occur.

10.4 Conditions to avoid
Conditions to avoid — Keep away from heat and sources of ignition.

10.5 Incompatible materials
Materials to avoid — Strong bases, Strong oxidizing agents, Strong reducing agents.

10.6 Hazardous decomposition products
Decomposition products — Carbon oxides, Sulfur oxides, Oxides of phosphorus.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
No data available.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity
No data available.

12.2 Persistence and Degradability
No data available.

12.3 Bioaccumulative Potential
No data available.

12.4 Mobility in Soil
No data available.

12.5 Results of PBT and vPvB assessment
No data available.

12.6 Other adverse effects
No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product Disposal

Advice on Disposal	Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
Waste Code	EPA: Hazardous waste - NO

Advice on cleaning and disposal of packaging

Advice on Disposal	Rinse with an appropriate solvent. Dispose of contents/container in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT:
Not regulated.

TDG:
Not regulated.

IMDG
Not regulated.

IATA
No regulated.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15. REGULATORY INFORMATION

15.1 Notification status

United States TSCA Inventory	YES (positive listing) On TSCA inventory.
Canadian Domestic Substances List (DSL)	YES (positive listing) All components of this product are on the Canadian DSL.
Australia Inventory of Chemical Substances (AICS)	YES (positive listing) On the inventory, or in compliance with the inventory
Japan. CSCL – Inventory of Existing and New Chemical Substances	N (Negative listing) Not in compliance with the inventory
Korea. Korean Existing Chemicals Inventory (KECI)	N (Negative listing) Not in compliance with the inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	N (Negative listing) Not in compliance with the inventory.

15.2 Federal Regulations

SARA 311/312 Hazards

Fire hazard	No
Reactivity Hazard	No
Sudden Release of Pressure Hazard	No
Acute Health Hazard	Yes
Chronic Health Hazard	No

SARA 313	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 302	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

EPCRA – Emergency Planning and Community Right-to-Know

SARA 304 Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 302 Reportable Quantity
This material does not contain any components with SARA 302 RQ.

16. OTHER INFORMATION

NFPA Classification

Health	2 serious
Flammability	1 slight
Instability or Reactivity	0 minimal

HMIS Classification

Health	2 serious
Flammability	1 slight
Reactivity	0 minimal

Further information

Date updated	09/12/2023
Further information	New product safety data sheet.

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA	8 hr time-weighted average
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NFPA	National Fire Protection Association
HMIS	Hazardous Materials Identification System (Paint & Coating)

Disclaimer:

The information provided in this safety data sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.