

江苏省农用激素工程技术研究中心有限公司

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Material Safety Data Sheet for SUPER P.A.V.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Trade name: SUPER P.A.V

OTHER NAMES: Surfactant Tribenuron-methyl; Fatty alcohol polyoxyethylene ether phosphate ester; Surfactant (Isodecyl alcohol etoxylate)

SUPPLIER: Jiangsu Agrochem Laboratory Co., Ltd

2. COMPOSITION/INFORMATION OF INGREDIENTS

(1) **CHEMICAL NAME:** Fatty alcohol polyoxyethylene ether phosphate ester

CAS NO: 68130-47-2

Ionic character:

MOLECULAR FORMULA: $\text{RO}(\text{CH}_2\text{CH}_2\text{O})_n\text{PO}_3\text{H}_2$

R is C₈-C₁₈ Alkyl.

(2) **CHEMICAL NAME:** Vegetable Oils

CAS NO: 68956-68-3

Ionic character: Nonionic

MOLECULAR FORMULA:

3. HAZARDS IDENTIFICATION

Irritating to the skin.

Symbol: Xi(irritant)

R-phrases: R 38

S-phrases: S 26,S28,S37/39

4. FIRST AID MEASURES

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

INHALATION: Move person to fresh air, if effects occur, consult a physician.

SKIN CONTACT: Wash skin with plenty of water, call a physician if irritation persists.

EYR CONTACT : Immediately flush eyes with plenty of water for several minutes, obtain medical attention.

INGESTION: Do not induce vomiting. Call a physician immediately.

NOTE TO PHYSICIAN: No specific antidote, treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Dry chemical fire extinguishers, water fog or fine spray, alcohol resistant foam or carbon dioxide.

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Protection of fire fighters:

Fire fighters to wear self-contained breathing apparatus and protective fire fighting clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Wear adequate personal protective equipment chemically resistant to this material, wear gloves made of PVC coated material. remove contaminated clothing immediately, wash contaminated skin area with soap and water and launder clothing before reuse or dispose properly. Use chemical goggles.

Environmental precautions:

Do not discharge in sewer system or water courses.

Methods of cleaning up:

Small spills: Cover and soak up with a suitable absorbent material. Remove with non-sparking shovel. Collect in suitable and properly labeled containers.

Large spills: Prevent run off into drains and waterways. Pump into suitable and properly labeled containers and dispose of according to applicable local regulations.

7. HANDLING AND STORAGE

Handling: Avoid eye and skin contact. Do not swallow. Always wash hands before smoking, eating or drinking. Washing contaminated clothing and other protective equipment before storage or re-use.

Store the original containers sealed in a cool place out of direct sunlight and of reach of children.

8. EXPOSURE CONTROLS-PERSONAL PROTECTION

Good general ventilation should be sufficient for most conditions; Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, gloves, boots or full body-suit will depend on operation. Avoid contact with skin and eyes. Use chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Yellowish
Active Content:	≥ 98%
Surfactant content:	≥ 29%
Flash point(°C):	91°C
Density(20°C):	0.8547g/ml
Ionic character:	Mixed surfactant
PH:	2.0-4.0

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Solubility:

Water: soluble

Solvents: soluble

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Excessive heat and open fire.

Hazardous decomposition products: During combustion harmful vapor could be

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet, good industrial practice and the product label.

Acute oral LD50 >4500mg/kg (WHO class III-slightly hazardous)

Acute dermal LD50 >1500mg/kg

Skin: slightly irritant

Eye: non-irritant

Inhalation: Inhalation of high concentrations of mist may produce respiratory irritation.

Sensitization: Not determined.

Mutagenicity: Not mutagenic in Ames Test.

Long Term Effects: No information available for this material.

12. ECOLOGICAL INFORMATION

No specific data available. Avoid contaminating waterways.

Based on available data for similar material(s), the product is readily biodegradable and is not bio-accumulating.

13. DISPOSAL CONSIDERATIONS

Empty containers should be forwarded to an approved agent for recycling and disposing in accordance with local authority requirements.

Avoid unauthorized discharge to sewer.

14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Not hazardous under the applicable DOT, ICAO/IATA, IMO, TDG.

15. REGULATORY INFORMATION

Irritating to eyes.

Symbol: Xi (irritant)

Risk Phrases: R38-Irritating to skin.

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Safety Phrases: S26-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28-After contact with skin wash immediately with water and soap.

S37/39-Wear suitable gloves and eye/face protection.

16. OTHER INFORMATION

The information herein is given in good faith and to the best of our knowledge but no warranty is made. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

