



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

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Version: 1.0 Issue date: Oct. 10, 2023

MATERIAL SAFETY DATA SHEET OF FLUPROPANATE 745 G/L SL

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Shanghai Bosman Industrial Co., Ltd.

Street address: No. 1611, North Sichuan Road, Hongkou, Shanghai R.P. China

Tel: + 86 21 63065878

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Product name: Flupropanate 745g/L SL

2. COMPOSITION/INFORMATION ON INGREDIENTS

Formulation Type: Soluble concentrate (SL)

Other ingredients determined not to be hazardous

INGREDIENT	CAS NO	PROPORTION
Flupropanate sodium	22898-01-7	745 g/L min.
Inerts	Not available	Up to 1L

3. HAZARDS IDENTIFICATION

Hazardous Nature: Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

The product is not classified, according to the Globally Harmonised System (GHS).

Signal Word: None

Hazard Statements: None

4. FIRST AID MEASURES

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.

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Eye Contact: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor

Note to Physician: There is no antidote. Treatment symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is likely to decompose only after heating to dryness, followed by further strong heating. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe or contact smoke, gases or vapours generated.

6. ACCIDENT RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing and equipment. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions: In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up: Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7. HANDLING AND STORAGE

Handling: Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash

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contaminated clothing and other protective equipment before storage or re-use.

Storage: Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ensure adequate ventilation of the working area.

Eye protection: Use safety glasses or goggles, there is potential for mist exposure to cause injury to the eyes.

Skin protection: Wear chemical resistant glove (Nitrile) Wear long sleeve shirts, long pants, shoes, and socks.

Respiratory protection: Wear respirator if the airborne conditions result in a mist forming.

Occupational exposure limits: None.

Engineering controls: Provide adequate ventilation when product is used. Eyewash and shower should be provided in mixing and loading areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid

Odour: NA

Flash point: NA

Specific gravity: NA

Boiling point: NA

pH: NA

Solubility: Soluble in water

10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: No known hazardous reactions.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Protect from direct sunlight.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products: No hazardous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute Health Effects

Inhalation: May cause respiratory irritation, headache, and nausea.

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Skin: May cause skin irritation.

Eye: May cause eye irritation.

Ingestion:

No adverse effects expected, however large amounts could cause nausea, vomiting, loss of muscle rigidity, cyanosis, sluggishness, diarrhoea, and incontinence.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: Prolonged skin contact may lead to dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: Resistant to biodegradation in soil but readily excreted in animals.

Bioaccumulative potential: No information available

Mobility in soil: Immobile

13. DISPOSAL CONSIDERATION

Pesticide disposal: Dispose of discarded product according to local and state health and environmental regulations.

Container disposal: Emptied containers retain vapour and product residues. Observe all labelled safeguards until container is destroyed. TRIPLE RINSE empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed

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manner. Do not re-use the empty container for any other purpose but destroy it by perforation and flattening and bury in an approved dump site. Prevent contamination of food, feedstuffs, drinking water and eating utensils. Comply with local legislation applying to waste disposal.

14. TRANSPORT INFORMATION

UN: 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Flupropanate-sodium)

Class: 9

Packing Group: III

15. REGULATORY INFORMATION

Follow all local and international laws and regulations.

16. OTHER INFORMATION

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This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact this company.

-- END OF MSDS --