Material Safety Datasheet

CAS No 470-90-6
Date Issued: 2011/08/26
COOPERS SUPADIP

Company Details

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1.Product and Company Identification

Trade / Commercial Name	**COOPERS SUPADIP**
Chemical Name	chlorfenvinphos, liq, fp -18oC/23oC, miscible with water
Formula	
Chemical Family	
Synonyms	

Un No	2784	Hazchem Code	2we
ERG No	131	EAC	28

2. Hazards Identification

Highly flammable.
Toxic.
The substance may poison by inhalation, ingestion or absorption through skin.
Vapours may cause dizziness or suffocation.
Symptoms may develop after several hours.
Fire will produce irritating, corrosive and/or toxic gases.

3. Composition

Hazardous Components	chlorfenvinphos, liq, fp -18oC/23oC, miscible with water

4. First Aid Measures

First Aid Skin	Remove & isolate contaminated clothing, including shoes. Flush body with plenty of water for at least 20 minutes. Wash skin with soap and water. Keep victim warm and quiet. Keep victim under observation.
First Aid Eyes	Flush eyes with water for 20 minutes. Hold eyelids open while washing.
First Aid Ingested	Seek medical treatment.
First Aid Inhalation	IMMEDIATELY remove to fresh air. If not breathing give artificial respiration. Do not use mouth-to-mouth, if victim has inhaled or ingested the substance; induce artificial respiration with the aid of a pocket mask with a one-way valve. If breathing of victim is difficult administer oxygen. Effects of exposure may be delayed.

5. Fire Fighting Measures

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

Small Fires: Dry chemical, CO2, water spray or alcohol-resistant foam.

Large Fires: Water spray, fog or alcohol-resistant foam. Move containers from fire area if you can do it without risk.

Dike fire control water for later disposal; do not scatter the material. Do not use straight streams.
Fire involving Tanks or Bulk Containers: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
Cool containers with flooding quantities of water until well after fire is out.
Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
ALWAYS stay away from the ends of tanks. For massive fire, use unmanned hose holders or monitor nozzles;
if this is impossible, withdraw from area and let fire burn.
Isolate spill or leak area immediately for at least 100 to 200 metres (330 to 660 feet) in all directions.
Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.
Wear positive pressure self-contained breathing apparatus (SCBA).
Wear chemical protective clothing which is specifically recommended by the manufacturer.
It may provide little or no thermal protection.
Structural firefighters' protective clothing is recommended for fire situations ONLY; it is not effective in spill situations.
If ROAD OR RAIL TANKER is involved in a fire, ISOLATE for 800 metres (1/2 mile) in all directions;
also, consider initial evacuation for 800 metres (1/2 mile) in all directions.

6. Accidental Release Measures

PRECAUTIONS:
Restrict access to area.
Provide adequate protective equipment and ventilation.
Remove sources of heat and flame.
Notify occupational and environmental authorities.
SPILL OR LEAK:
Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire.
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
All equipment used when handling the product must be grounded.
Do not touch or walk through spilled material.
Stop leak if you can do it without risk.
Prevent entry into waterways, sewers, basements or confined areas.
A vapour suppressing foam may be used to reduce Vapours.
Small Spills
Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Use clean non-sparking tools to collect absorbed material.
Large Spills
Dike far ahead of liquid spill for later disposal.
Water spray may reduce vapour; but may not prevent ignition in closed spaces.

7. Handling And Storage

Separation of at least 3M from the following classes is recommended.
Corrosives
Fire separation of at least 5M or 4Hr fire resistant wall
from the following classes is recommended.
Flammable Gases Flammable Solids
Spontaneously Combustibles Dangerous When Wet
Poison
Storage in the same room or space is prohibited with the following classes:
The rooms or spaces should be at least 10M apart.
Explosives Poisonous Gases
Oxidizing Agents Organic Peroxides
Radioactive

8. Exposure Controls/Personal Protection

Occupational Exposure Limits	T W A OEL-RL SHORT TERM OEL-RL ---------- ---------- PPMa) MG/M3b) PPMa) MG/M3b) --------- --------- --------- --------- 0.1 1 0.3 3 SK
Controls	The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside. Supply sufficient replacement air to make up for air removed. Have a safety shower/eye wash fountain readily available in the immediate work area
Personal Protection	If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles & face shield, boots, imperious gloves, coveralls, & respiratory protection. Have appropriate equipment available for use in emergencies.

9. Physical & Chemical Properties

Chlorfenvinphos :

The substance decomposes on heating and burning, produces toxic and corrosive fumes of Hydrogen Chloride and Phosphorous Oxides. Attacks tin, brass, iron and steel.

Boiling point: 167 - 170 o C
Melting Point: -19 - -23 o C
Solubility in water: None

Liquid - miscible with water

10. Stability And Reactivity

Conditions to Avoid	This substance may cause effectson the nervous system, resulting in convulsions and respitory failure. Chllinesterase inhibitor. Exposure may result in unconsiousness and death. The effects may be delayed, medical observation is indicated.
Incompatible Materials	None.
Other	None.

11. Toxicological Information

TOXIC; may be fatal if inhaled, ingested or absorbed through skin.
Inhalation or contact with some of these materials will irritate or burn skin and eyes.
Vapours may cause dizziness or suffocation.

12. Ecological Information

This substance is very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This substance does enter the enviroment under normal use. Great care should, however, be given to avoid any additional release, e.g, through inappropriate disposal.

Cholefenvinphos is considered persitent in soil with an average half-life in soil of 12 weeks and is highly toxic to bees and fish.

13. Disposal Considerations

Disposal Method Product	There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.
Disposal Method Packaging	Disposal in accordance with local legal provisions.

14. Transport Information

UN No	2784	Hazchem Code	2we
ERG No	131	EAC	28
IMDG-Shipping Name	ORGANOPHOSPHORUS PESTICIDE, LIQUID, FLAMMABLE, TOXIC		
IMDG Code	3097.1	IMDG-Packaging Group	I/II
Marine Pollutant	Yes		
Class	Class: 3 Flammable Liquid Group: I/II		
Subsidiary Risks	Toxic		

15. Regulatory Information

EEC Hazard Classification	3
Risk Phases	R11 Highly flammable. R23 Toxic by inhalation. R24 Toxic in contact with skin. R25 Toxic if swallowed. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R67 Vapours may cause drowsiness and dizziness. R68 Possible risk of irreversible effects.
Safety Phases	S7 Keep container tightly closed. S16 Keep away from sources of ignition - No smoking. S23 Do not inhale gas/fumes/vapour/spray. S24 Avoid contact with skin. S36/37 Wear suitable protective clothing and gloves. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)
National Legislation	

16. Other Information

Reason for Alteration: General update.

The information contained herein is based on the present state of our knowledge.
It characterizes the product with regard to the appropriate safety precautions.
It does not represent a guarantee of the properness of the product.

Disclaimer:
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