



Identification of the substance or mixture and of the company/undertaking

Trade name	Trans-Cypermethric acid
Usage	Intermediate for Insecticide manufacture
Appearance	Powder

Details of the supplier of the safety data sheet.

SPARCHEM
159, Ashoka Shopping Centre, 2nd Flr.,
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E-mail: response@sparchem.com

Emergency telephone number

0091- 22-22642642

COMPOSITION / INFORMATION ON INGREDIENTS

Component name	CAS No.	Conc. % w/w
Trans 3-(2, 2 dichlorovinyl)-2, 2-dimethyl cyclopropane-1, carboxylic acid (Cis:trans ratio: 02:98)	52314-67-7	98.00% w/w min

HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS : EMERGENCY OVERVIEW

Eyes: Can cause temporary irritation, tearing and blurred vision

Skin: Can cause a slight irritation on more sensitive areas [face, eyes, mouth] prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis

Ingestion: Can cause stomach irritation resulting in nausea, cramps and vomiting. Large doses may cause nasal and respiratory irritation

Inhalation: Excessive inhalation can cause nasal and respiratory irritation

FOR THE EMERGENCIES, PHONE 24 HOURS A DAY
Ecological

0091-22-42900800

Toxic to fish and aquatic organisms

First aid measures

Eyes	Remove immediately with clean water for at least 15 minutes and obtain medical aid
Skin	Carefully remove contaminated clothing. Wash affected area with soap and water. Seek medical aid if at all worried.
Ingestion	Wash out mouth with water. Induce vomiting only if medical treatment is not readily available, the patient is fully conscious and the time since ingestion is less than one hour. Keep patient at rest and seek medical advice.
Inhalation	If inhaled, remove to fresh air and keep at rest. Obtain medical aid if at all worried.

Firefighting measures

Flash point

NA

Extinguishing media

Product is not combustible. If product is involved in a fire, use water spray, foam, dry powder, carbon dioxide or sand.

Special exposure hazards

May give off toxic fumes if heated to decomposition

Protective equipment for fire-fighting

Do not breathe fumes. Wear self contained breathing apparatus

Fire fighting guidance

Treat as oil fire. Remove all ignition sources. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream. Contain the run-off, if possible, for proper disposal.

Accidental release measures

Personal precautions

Avoid contact with spilled material or contaminated surfaces. If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing as detailed in section 8.

Environmental precautions

Keep people and animals away. Prevent entry into drains, sewers and watercourses.

Spillage

Contain / absorb spillage in sand / earth or in a suitable inert material. Transfer collected material to heavy duty plastic drums and keep safe for disposal.

Note

Check also for any local site protective in force.

Handling and storage

Precautions for safe handling

Wear chemically impervious gloves such as neoprene or nitrile. Wear safety glasses, goggles or face shield. Mechanical ventilation should be used when handling this product in enclosed spaces. Read and observe all precautions and instructions on the label.

Storage

Store in original containers, upright and closed. Store in areas that are cool, dry and well ventilated. Store away from seeds, fertilizers and animal feed stuffs.

Exposure controls/personal protection

Engineering controls

Mechanical ventilation should be used when handling this product in closed spaces

Respiratory protection

NIOSH approved organic vapor respirator in absence of mechanical ventilation

Hand protection

Wear chemical resistant PVC or nitrile gloves

Eye protection

Wear safety goggles with imperforated side shield or goggles

Other

Wear PVC or chemical resistant disposable overalls and PVC boots

Physical and chemical properties

Physical state	Powder
Color	White to off-white in colour
Specific Gravity	1.433
Boiling point	NA
Melting point	90-92°C
Solubility	NA
Vapor pressure	NA

Stability and reactivity

Stability

Stable under normal storage conditions.

Materials to avoid

None under normal condition of use.

Toxicological information

Oral	Acute oral in mouse	370 mg/kg
Eye	Acute eye irritation in rabbits	Mildirritant.
Skin	Skin irritation to rabbit skin	Non irritant
Ingestion	NA	NA
Inhalation	NA	NA

Long term studies		
Carcinogenicity		Non-carcinogenic in rat and mice
Mutagenicity		Non mutagenic. Did not cause any chromosomal effects Did not cause any DNA single strand damage.
Reproductive toxicity		No teratogenic effects

Ecological information

Persistence in the environment

NA

Toxic effects on organisms Fish

NA

Daphnia magna

NA

Birds

NA

Disposal considerations

Waste treatment methods

Product Disposal

Disposal of product would usually be by incineration in an appropriate licensed commercial incinerator. Advice may be obtained from local waste regulation authorities.

Container disposal

Decontaminate empty, damaged, or leaking containers with a 10% sodium carbonate solution added at the rate of at least 1 litre per 20-litre drum. Puncture containers to prevent reuse. Dispose of empty containers in an incinerator approved for chemicals. Dispose of container in accordance with local regulation.

Transport information

UN number

3261

UN class

8

UN packaging group

III

Proper shipping name

Corrosive, Solid, Acidic, Organic, N.O.S

Regulatory information

CAS

59042-50-8

Component name

Trans 3-(2, 2 dichlorovinyl)-2, 2-dimethyl cyclopropane-1, carboxylic acid

The following precautions appear in the 'PRECAUTIONS' section of label / leaflet

WASH HANDS AND EXPOSED SKIN AFTER USE

WASH SPLASHES from skin or eyes immediately with plenty of water

The following precautions appear in the 'STATUTORY CONDITIONS RELATING TO USE' box of the label / leaflet

FOR USE OF INSECTICIDE INTERMEDIATE

WEAR SUITABLE PROTECTIVE CLOTHING / OVERALL AND SYNTHETIC RUBBER / PVC GLOVES AND EYE PROTECTIONS when using.

Other information

MSDS first issued

08th April 2010

MSDS data revised

Disclaimer

The above information is intended to give general health and safety guidance on the storage and transport of the substance or product to which it relates. The requirement or recommendation of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any injury loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

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