

MATERIAL SAFETY DATA SHEET

Generic MSDS

For reference purposes only

Hazardous according to criteria of Worksafe Australia.

I IDENTIFICATION

Product Name: Compound 1080

Other Names: Sodium fluoroacetate Correct Shipping Name is "SODIUM FLUOROACETATE".

UN No: 2629

Hazchem Code: 2X

Dangerous Goods Class: Class 6.1(a) Poisonous

Sub Risk Class: No Subsidiary Risk.

Packaging Group: I

EPG: 6A5

Most EPGs may now be substituted by the "Initial Emergency Response Guide" available from Standards Australia.

Poison Schedule: S7 (Australia), First Schedule (New Zealand)

Product Type: Organic solid.

Chemical Family: Salt of fluoroacetic acid.

Uses: Pesticide. Used in baiting rabbits and other pests.

Physical appearance & Properties:

Appearance & Odour: Colourless hygroscopic solid. Odourless.

Melting/softening point: No data.

Boiling point and vapour pressure: Decomposes.

Volatile materials: Nil

Flashpoint: Does not burn.

Specific gravity: No data

Solubility in water: Soluble.

Corrosiveness: No data

Ingredients:

Chemical entity	CAS No	Proportion %	Worksafe Exposure Limits	
			TWA mg/m ³	STEL mg/m ³
Sodium fluoroacetate	62-74-8	pure*	0.05	0.15

* Commercially pure.

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

II HEALTH HAZARD DATA

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

Acute Effects:

THIS PRODUCT IS A DEADLY POISON. Can be absorbed through skin and eyes. Ingestion may be fatal.

Poisoning is characterised by a symptom free latent period of 30 min to 2 hours or longer between ingestion and onset of symptoms which include nausea, vomiting, diarrhoea and hyperactive behaviour leading to convulsions, coma and cyanosis (turning blue). Early symptoms include alteration to heart sounds and premature, weak contractions.

Swallowed: Data suggests that the product should be considered as very toxic by ingestion.

Eye: Data suggests that this product should be classified as a dangerous eye irritant. May cause severe irritation with corneal injury which may result in permanent impairment of vision and even blindness.

Skin: Data suggests that product presents high hazard via skin contact. Absorption through the skin may be a significant source of exposure.

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Inhalation: Inhalation may cause irritation of the nose and throat and cause coughing and chest discomfort.

Primary route of exposure is inhalation and skin and eye contact.

LD₅₀ Human is believed to be less than 100mg/kg

First Aid:

THIS PRODUCT IS A DEADLY POISON. PROMPT TREATMENT IS VITAL WHENEVER CONTACT IS MADE WITH THIS PRODUCT.

Swallowed: If swallowed, more than 15 minutes from a hospital, and victim is conscious, induce vomiting, preferably using Ipecac syrup APF. If Ipecac Syrup is not available, induce vomiting with fingers or any other available method. Give a glass of water and transport to hospital. If swallowed and victim is unconscious or convulsing, keep victim warm, and transport to hospital or doctor. Promptness is vital.

Eye: If this product comes into contact with eyes, hold eyes open and wash continuously for 15 minutes with running water. Ensure irrigation under eyelids by occasionally lifting eyelids. Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately.

Skin: If this product comes into contact with skin, wash skin with soap and water for 15 minutes. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. Transport to hospital or doctor immediately.

Inhalation: If fumes or combustion products are inhaled, remove to fresh air. Lay victim down & keep warm and rested. If breathing is shallow, or has stopped, ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately.

Eye wash stations or baths and deluge showers should be available where product is being used.

Advice to doctor: No effective antidote is known. Treat symptomatically. Establish respiration; create artificial airway if necessary.

III PRECAUTIONS FOR USE

Risk Phrases are: R28. Very toxic if swallowed.

Exposure Standards:

This material has a TWA value of 0.05 and STEL value of 0.15. Both values expressed as mg/m³. Exposure values at the STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. Exposure values at the TWA (Time Weighted Average) means the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. See ingredients section on page 1 of this data sheet.

Engineering Controls:

Ventilation must be adequate to ensure that the working environment is below the TWA value. Otherwise, use respiratory protection. Some materials should only be used when respiratory protection is being worn. For information on respiratory protection, consult AS1716. See below for further information.

Personal Protection:

ALL POSSIBILITY OF CONTACT WITH PRODUCT SHOULD BE COMPLETELY ELIMINATED BY USE OF PERSONAL PROTECTIVE METHODS.

Respiratory Protection: A face mask or respirator should be used when this material is being used.

Protective Gloves: Rubber or PVC gloves should be worn.

Eye Protection: Full face mask, safety glasses or goggles should be worn.

Clothing: Clean overalls should to be worn, preferably with an apron. All skin areas should be covered.

Safety Boots: Wearing safety boots should be worn.

Flammability Limits: Does not burn.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

IV SAFE HANDLING INFORMATION

Safety Phrases are: S20, S22, S26, S45. Combination Safety Phrases are: S1/2.

When using, do not eat or drink. Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible). Keep locked up and out of reach of children.

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Storage & Transport:

UN number is 2629 and Hazchem code is 2X

It is classed as "Class 6.1(a) Poisonous"

Being a scheduled poison, the product must be stored, maintained and used in accord with relevant state poisons act. Not to be transported with Classes 1 (Explosives), 3 (Flammable Liquids) (nb nitromethane only), 5.1 (Oxidising Agents) (nb when substance is capable of being ignited and burning), 5.2 (Organic Peroxides) (again when substance is capable of being ignited and burning), 6 (Poisonous Toxic Substances), 7 (Radioactive Substances), 8 (Corrosives) (nb when Class 6 is a cyanide and Class 8 an acid), foodstuff and foodstuff empties. Observe all regulations associated with this classification when carrying by road or rail.

Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with water or acids.

Spills and disposals:

In event of a major spill, clear area of personnel. Alert fire brigade and advise of nature & location of spill. Wear protective clothing. Prevent spillage from entering drains or water courses. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage.

Recycle containers wherever possible. After spills, wash area, preventing runoff from entering drains. If material enters drains, advise emergency services. Dispose of only in compliance with local, state and federal regulations.

Laundry all contaminated clothing before re-use. The product is highly toxic to wildlife. Birds and mammals feeding on carcasses of contaminated animals may be killed. The exposed bodies of all poisoned animals must be collected and destroyed by complete burning or deep burial at approved sites. Include all dried carcasses in this recovery procedure since they may remain dangerous to cats and dogs for an indefinite time. A single mouse poisoned by the product may contain enough poison to kill an adult dog.

Fire/Explosion Hazard:

There is no explosion hazard from this material under normal circumstances.

Flashpoint: Does not burn.

Extinguishing Media: Carbon dioxide, dry chemical or foam.

Special Fire fighting procedures: This product is extremely poisonous. It is soluble in water and although it is not flammable, forms corrosive and toxic decomposition products. Wear full protective clothing and self contained breathing apparatus when fighting fire, and if significant quantities are involved, consider evacuating the area.

Unusual fire & Explosion hazards: Heat produces toxic and corrosive vapours. Heat may cause violent rupture of containers.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: Carbon dioxide, carbon monoxide, fluorides, water.

Materials to avoid: Strong acids, strong alkalis, strong oxidising agents.

V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

Contact Points:

Police and Fire Brigade:

Dial

AUSTRALIA

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If ineffective:

Dial

1100 (Exchange)

National Poisons Information Centre:

Dial

13 1126 (from anywhere in Australia)

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If you want your supplier to place his MSDSs on this system, tell him about our service.

Please read all labels carefully before using product.