



SUNFARM AGROCHEMICALS LTD

ADD.: XIAOMIAO TOWN, SHUSHAN DISTRICT, HEFEI, ANHUI, CHINA
WWW.SUNFARMCHEM.COM SUNFARMAGRO@YAHOO.COM +86-15986675013

Material Safety Data Sheet

(In accordance with 2001/58/EC)

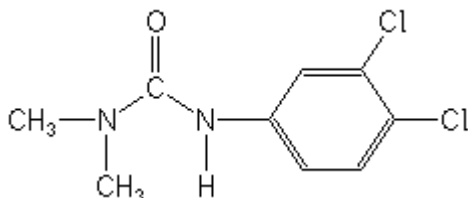
SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Diuron 97%TC**

CAS No.: **330-54-1**

Empirical formula: **C₉H₁₀Cl₂N₂O**

Structural formula:



Product use: **HERBICIDE**

Molecular weight: **233.1**

Chemical Formulation: **TECHNICAL POWDER**

Supplier: **SUNFARM AGROCHEMICALS LTD.**

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

| Composition | Content (% W/W) | CAS number |
|-------------|-----------------|------------|
| DIURON | 97% MIN | 330-54-1 |

SECTION 3: HAZARDS IDENTIFICATION

Inhalation: May cause irritation of the upper respiratory tract

Skin: No irritation to skin.

Eyes: Causes slight irritation to eyes.

Ingestion: Slightly toxic, but large amount may cause injury.

SECTION 4: FIRST AID MEASURES

If poisoning occurs, contact a Doctor or Poisons Information Centre.

Inhalation: Move subject to fresh air. Keep person calm.

Skin: Remove contaminated clothing; wash affected area with soap and water. If irritation persists, seek medical attention.

Eye: Flush eyes with plenty of water for 15 minutes while holding eyelids open.

Ingestion: Wash out mouth with water. Seek medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media: CO₂, water fog, dry chemical and chemical foam Hazards from combustion products: During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

Precautions for fire fighters: Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus. Fire fighting equipment should be thoroughly decontaminated after use.

SECTION 6: ACCIDENTAL RELEASE MEASURES



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Personal precaution: Avoid contact with spilled material or contaminated sources. If ordinary clothing becomes contaminated remove it immediately. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing

Small spill: Shut of ignition sources. Stop release Dike or contain release and access to the release area. Take actions to reduce vapor dilute with absorbent materials like sand/saw dust. Clean spill areas of residues and absorbent.

Large spill: Shut off ignition sources stop release dike or contain release. Isolate and control access to the release area. Take action to reduce vapors. Collect product in to drums and clear spellers.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid ingestion. Avoid contact of skin or eyes with concentrate or diluted spray. Do not breathe vapors or spray mist. Handle concentrate in well ventilated area. Keep away from heat and ignition sources. Avoid container damage. Wash thoroughly after handling.

Storage: Store in cool well ventilated area. Do not put leaking or damaged containers in storage. Keep locked up. Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place. Keep container dry. Keep away from strong bases. Keep away from sources of ignition and heat - No smoking

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Normal room ventilator should be satisfactory. Eyewash stations and safety showers should be easily accessible.

Personal protection:

Respiratory Protection: NIOSH approved organic vapor respirator in absence of mechanical ventilation.

Protective Gloves: Recommended

Eye Protection: Safety glasses with side shields are required.

Other Protective Equipment: A lab coat or other long – sleeved garment is required. Access to a safety shower and eyewash station is recommended.

SECTION 9: PHYSICAL PROPERTIES

Appearance

Form: Powder
Color: Off-white to light yellow
Odour: Slight odor

Safety data

| | |
|-------------------------------------|--------------------------------------|
| Ph: 6.0-8.0 at 100% (23°C) | Vapor pressure: Negligible |
| Solubility: Disperses in water | Oxidizing properties: Non-oxidizing |
| Flammability: Non-flammable | Corrosive properties: Non-corrosive. |
| Explosive properties: Non-explosive | |

Stability: Stable for at least two years under normal storage and usage conditions

SECTION 10: STABILTY AND REACTIVITY

Chemical stability: Stable at normal temperatures.



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Hazardous polymerization: Will not occur.
Conditions to avoid: Strong Acids, Bases.
Material to avoid: Strong Oxidizing agents, acids, Bases, Alkali metals

Hazardous decomposition on Products: Noxious fumes produced under fire conditions may include carbon monoxide, carbon dioxide, nitrogen oxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingestion (oral): rat LD₅₀ > 3000 mg/kg
Skin (dermal): rabbit LD₅₀ > 2000 mg/kg
Inhalation: LC₅₀ (4h) > 5.0 mg/L for rats
Eye irritation: Slight irritating to eyes (rabbits)
Skin irritation: No-irritating to rabbit skin.
Sensitization: Not a skin sensitizer (Guinea pigs)

SECTION 12: ECOLOGICAL INFORMATION

BIRDS: Dietary LC₅₀ (8 d) for bobwhite quail 1730 mg/kg, Japanese quail > 5000, mallard ducks > 5000, pheasant chicks > 5000 mg/kg diet.

FISH: LC₅₀ (96 h) for bluegill sunfish 5.9 mg/lt, rainbow trout 5.6 mg/lt, guppies 25 mg/lt.

Daphnia: LC₅₀ (48 h) 12 mg/L.

Bees: Not hazardous to bees

SECTION 13: DISPOSAL CONSIDERATIONS

See the individual container label for disposal information. Emptied packages retain product residue and dust. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. Empty packaging completely stored for collection by approved waste disposal service. Do not re-use containers.

Recycle if appropriate facilities/equipment available. Bury in approved landfill.

Follow all local/regional/national/international regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: 3077

Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. Dangerous Goods

Class: 9

Packing Group: III

SECTION 15: REGULATORY INFORMATION

Risk phrases:

R20 Harmful by inhalation.

R22 Harmful if swallowed.

R37 Irritating to respiratory system.

Safety phrases:

S1/2 Keep locked up and out of reach of children

S28 After contact with skin, wash immediately with plenty of water.



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S36 Wear suitable protective clothing.

S37 Wear suitable gloves

S39 Wear eye / face protection.

S61 Avoid release to the environment, refer to special instructions/safety data sheets

SECTION 16: OTHER INFORMATION

This MSDS summarizes 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 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.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. ---End of MSDS

For and on behalf of

SUNFARM AGROCHEMICALS LTD