

Material Safety Data Sheet

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Infosafe No. 3NUBP Issue Date : January 2007  
ISSUED by NUFARM

Product Name : AGRITONE 750 Selective Herbicide

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name AGRITONE 750 Selective Herbicide

Product Code 0566

Product Type Group I Herbicide

Company Name SPE CHEMICALS CO., LTD

Address Room 1615, No:345 Jinxiang  
Road, Pudong, Shanghai, China 201206

Emergency Tel. 86-21-51386314

Telephone/Fax Tel: 86-21-51386314

Number

Fax: 86-21-51386414

Recommended Use For the selective control of broadleaf weeds in  
cereals, linseed, pastures,

rice, sugar cane and turf as per the Directions for Use table on the label.

Other Information This MSDS describes, to the best of our knowledge, the properties of the

concentrated product. The physical properties and some of the assessments do

not apply to the properties of the product once it has been diluted for

application. Acute health effects of the diluted product are likely to be

much less severe.

## 2. HAZARDS IDENTIFICATION

Hazard HAZARDOUS SUBSTANCE.

NON-DANGEROUS GOODS.

Classification

Hazard classification according to the criteria of NOHSC.

Dangerous goods classification according to the Australia Dangerous Goods

Code.

Risk Phrase(s) R22 Harmful if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

Safety Phrase(s) S13 Keep away from food, drink and animal feeding stuffs.

S2 Keep out of reach of children.

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and

seek medical advice.

S37/39 Wear suitable gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or

label.

Other Information Poisons Schedule S6

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical                      Liquid

Characterization

Ingredients	Name	CAS
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Proportion

MCPA (as present as the	94-74-6	750 g/L
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Dimethylamine salt)

Other ingredients

Balance

(considered

non-hazardous)

### 4. FIRST AID MEASURES

Inhalation                      Remove affected person to fresh air until recovered.

If symptoms develop or persist, seek medical advice.

Ingestion                      Rinse mouth and then drink plenty of water.

Do not give anything by mouth to a semi-conscious or unconscious person.

If swallowed do NOT induce vomiting; seek medical advice immediately and show

this container or label or contact the Poisons Information Centre on 13 11 26

(Aust). Make every effort to prevent vomit from entering the lungs by careful

placement of the patient.

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Skin                                      Wash affected areas thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

Eye                                      If in eyes, hold eyelids open and wash with copious amounts of water for at

least 15 minutes.

Seek medical advice immediately.

First Aid Facilities If poisoning occurs, contact a doctor or the  
Poisons Information Centre

(Australia) on 13 11 26.

Advice to Doctor Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Suitable If involved in a fire, the product will not burn.  
Choose extinguishing media

to suit the burning material.

Extinguishing Media

Hazards from May emit toxic fumes of hydrogen chloride or  
phosgene if involved in fires or

exposed to extreme heat.

Combustion

Products

Special Protective Breathable air apparatus should be worn when  
fighting a fire in which this

product is involved.

Equipment for fire

fighters

Specific Hazards Considered low risk due to water content, however  
upon evaporation of water

the product is combustible.

Hazchem Code                      None Allocated

## 6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal              Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite).

Collect spilled material and waste in sealable open-top type containers for disposal.

On-site disposal of concentrate is not acceptable.

Personal Protection      For appropriate personal protective equipment (PPE), refer Section 8.

Clean-up Methods -      Place damaged containers in recovery bins (if available) and return to manufacturer.

### Large Spillages

If large liquid spills occur, attempt to recover as much spilt material from

sumps and banded areas before absorbing remaining material into vermiculite or

other absorbent.

Environmental              This product is a herbicide and spills can damage crops, pastures and

desirable vegetation.

### Precautions

## 7. HANDLING AND STORAGE

Precautions for Safe    Do NOT spray in high winds.

Do NOT contaminate dams, rivers or streams, or any other water bodies with

Handling

pesticide or used containers.

Conditions for Safe    Store in the closed, original container in a cool, well ventilated area.

Do not store for prolonged periods in direct sunlight.

Storage

Do not tamper with the Micro Matic valve or the security seal.

Do not contaminate the Envirodrum with water or any other foreign matter.

After each use of the product, please ensure the Micro Matic coupler, delivery

system and hoses are disconnected, triple rinsed with clean water and drained

accordingly.

Tank Cleaning        See label for detailed information on cleaning of spray equipment.

Other Information     Always read the label and any attached leaflet before use.

Do not use on or in situations where damage to susceptible crops or plants

such as cotton, tobacco, tomatoes, flowers, vines,  
fruit trees or other

susceptible crop plants may result from direct  
application or drift.

Sprayed weeds may become more palatable to stock  
and a higher intake of some

weeds may result in stock poisoning and death from  
causes such as nitrate

poisoning. Care should be taken especially  
where capeweed, Paterson's curse

and variegated thistles predominate in the  
pasture.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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National Exposure No exposure standards have been set for this  
product or the active  
ingredients.

Standards





Odour	Ammonia like odour
Solubility in Water	Soluble in water.
Specific Gravity	1.181
Vapour Pressure	Negligible
Octanol/Water	Kow Log P is -0.71 @pH7 (MCPA acid)
Partition Coefficient	
Flash Point	None
Flammability	Not flammable
Other Information	pKa is 3.07 for MCPA

## 10. STABILITY AND REACTIVITY

Chemical Stability      Stable under normal conditions.

Incompatible              Reaction of the concentrate or spray mix with acids will precipitate solid

MCPA and largely de-activate the product and cause blockages in spray

Materials

equipment.

The addition of a strong alkali such as caustic soda will cause release of

dimethylamine vapour.

Dimethylamine is moderately toxic, LD50 (oral, rat) is 700 mg/kg and a TLV of

10 ppm (TWA) has been set.

Hazardous                      Hazardous polymerisation is not possible.

Polymerization

## 11. TOXICOLOGICAL INFORMATION

Toxicology                      No harmful effects are expected if the precautions on the label and this MSDS are followed.

Information

Inhalation                      The components of the product are of low volatility and no adverse effects are expected from handling the concentrate.

A moderate hazard exists from inhalation of spray and care should be taken to avoid inhalation of spray mists.

Ingestion                      Not a likely route of exposure.

Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.

However, swallowing of large amounts may cause injury.

Ingestion of the concentrate in relatively large amounts can result in headache, nausea, lethargy, motor weakness and incoordination.

Skin                              Unless removed immediately, will cause irritation.

Prolonged contact with the concentrate may result in absorption of MCPA in

harmful amounts.

Eye The concentrate will cause severe irritation and possible damage unless washed

off immediately.

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Chronic Effects Liver and kidney damage has been noted in laboratory animals that have been

fed excessive doses of MCPA.

Carcinogenicity The weight of the evidence is that MCPA is not carcinogenic.

Acute Toxicity - Oral The following data is for the active ingredient, MCPA dimethylamine salt.

LD50 (rat) 1876 mg/kg

Acute Toxicity - LD50 (rat) >2000 mg/kg

Dermal

Acute Toxicity - LC50 (rat) (4hr) >1.69 mg/l

Inhalation

Eye Irritation MCPA dimethylamine salt is a severe eye irritant.

Skin Irritation The product is a skin irritant.

Skin Sensitisation Product is not a skin sensitiser.

Other Information The Australian Acceptable Daily Intake (ADI) for MCPA for a human is 0.01

mg/kg/day, set for the public for daily, lifetime exposure. This is based on

the NOEL of 1.1 mg/kg/day, the level determined to show no effects during long

term exposure for the most sensitive indicators and the most sensitive

species. (Ref: Comm. Dept. of Health and Ageing, 'ADI List', TGA, September

2005).

## 12. ECOLOGICAL INFORMATION

Mobility Rapid degradation in soil prevents significant downward movement under normal

conditions.

Known Harmful MCPA dimethylamine salt products do not appear to pose any threat to birds.

MCPA dimethylamine salt products do not appear to pose any threat to fish or

Effects on the

other aquatic organisms other than in very high concentrations.

#### Environment

Other Precautions Do not contaminate dams, waterways or sewers with this product or the

containers which have held this product.

Environ. Protection Spray drift can cause damage, read the label for more information.

Acute Toxicity - Fish LC50 (96 hr) for rainbow trout is 50 mg/l for MCPA dimethylamine salt

Acute Toxicity - EC50 (48hr) for daphnia is >190 mg/l for MCPA dimethylamine salt.

#### Daphnia

Acute Toxicity - LC50 for algae is >392 mg/l.

#### Algae

Acute Toxicity - Birds: Not toxic to birds. LD50 for bobwhite quail is 270 mg/kg

Bees: Not toxic to bees. LD50 >200 µg/bee.

#### Other Organisms

### 13. DISPOSAL CONSIDERATIONS

Product Disposal On site disposal of the concentrated product is not acceptable.

Ideally, the product should be used for its intended purpose. If there is a

need to dispose of the product, approach local authorities who hold periodic

collections of unwanted chemicals (ChemClear®).

Container Disposal Do not use this container for any other purpose.

Triple rinse containers, add rinsate to the spray tank, then offer the

container for recycling/reconditioning, or puncture top, sides and bottom and

dispose of in landfill in accordance with local regulations.

drumMUSTER is the national program for the collection and recycling of empty,

cleaned, non returnable crop production and on-farm animal health chemical

containers. If the label on your container carries the drumMuster symbol,

triple rinse the container, ring your local Council, and offer the container

for collection in the program.

Returnable containers: empty contents fully into application equipment.

Replace cap, close all valves and return to the point of supply for refill or

storage.

If recycling, replace cap and return clean containers to recycler or

designated collection point.

If not recycling, puncture or shred and bury containers in local authority

landfill.

If no landfill is available, bury the containers below 500mm in a disposal pit

specifically marked and set up for this purpose clear of waterways, desirable

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vegetation and tree roots.

Empty containers and product should not be burnt.

#### 14. TRANSPORT INFORMATION

U.N. Number None Allocated

DG Class None Allocated

Hazchem Code None Allocated

Packing Group None Allocated

Storage and Australian Code for the Considered non dangerous for transport by the

Transport of Dangerous Goods by Road and Rail.



Transport

15. REGULATORY INFORMATION

Poisons Schedule S6

Packaging & POISON

KEEP OUT OF REACH OF CHILDREN

Labelling

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Hazard Category Harmful, Irritant

AICS (Australia) All of the components in this product are listed on  
the Australian Inventory

of Chemical Substances.