

**THIOVIT JET 80 WG**

Version 6 - This version replaces all previous versions.  
Revision Date 21.07.2011

Print Date 21.07.2011

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**Product name : **THIOVIT JET 80 WG**

Design code : A8456E

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Use : Fungicide

**1.3 Details of the supplier of the safety data sheet**

Company : Syngenta Crop Protection AG  
Postfach  
CH-4002 Basel  
Switzerland

Telephone : +41 61 323 11 11

Telefax : +41 61 323 12 12

E-mail address : sds.ch@syngenta.com

**1.4 Emergency telephone number****Emergency tele-  
phone number** : +44 1484 538444**SECTION 2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Classification according to Regulation (EU) 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not classified according to EU legislation

**2.2 Label elements**

Labelling: Regulation (EC) No. 1272/2008

Precautionary statements : P270 Do not eat, drink or smoke when using this product.  
P102 Keep out of reach of children.

Supplemental information : EUH401 To avoid risks to human health and the environment,  
comply with the instructions for use.

## THIOVIT JET 80 WG

Version 6 - This version replaces all previous versions.

Revision Date 21.07.2011

Print Date 21.07.2011

Hazardous components which must be listed on the label:

Labelling: EU Directives 67/548/EEC or 1999/45/EC

S-phrase(s) : S 2 Keep out of the reach of children.  
 S13 Keep away from food, drink and animal feedingstuffs.  
 S20/21 When using do not eat, drink or smoke.

**Additional Labelling** : To avoid risks to man and the environment, comply with the instructions for use.  
 Safety data sheet available on request for professional users.

### 2.3 Other hazards

May form flammable dust-air mixture.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration
sulfur	7704-34-9	Xi R38	Skin Irrit.2; H315	80 % W/W

Substances for which there are Community workplace exposure limits.

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice : Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control center or physician, or going for treatment.

Inhalation : Move the victim to fresh air.  
 If breathing is irregular or stopped, administer artificial respiration.  
 Keep patient warm and at rest.  
 Call a physician or poison control centre immediately.

Skin contact : Take off all contaminated clothing immediately.  
 Wash off immediately with plenty of water.  
 If skin irritation persists, call a physician.  
 Wash contaminated clothing before re-use.

**THIOVIT JET 80 WG**

Version 6 - This version replaces all previous versions.

Revision Date 21.07.2011

Print Date 21.07.2011

- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses.  
Immediate medical attention is required.
- Ingestion : If swallowed, seek medical advice immediately and show this container or label.  
Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed**

- Symptoms : No information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

- Medical advice : There is no specific antidote available.  
Treat symptomatically.

---

**SECTION 5. FIREFIGHTING MEASURES****5.1 Extinguishing media**

Extinguishing media - small fires  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Extinguishing media - large fires  
Alcohol-resistant foam  
or  
Water spray

Do not use a solid water stream as it may scatter and spread fire.

**5.2 Special hazards arising from the substance or mixture**

Fire will spread by burning with a visible flame.  
As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).  
Exposure to decomposition products may be a hazard to health.

**5.3 Advice for firefighters**

Wear full protective clothing and self-contained breathing apparatus.

Do not allow run-off from fire fighting to enter drains or water courses.  
Cool closed containers exposed to fire with water spray.

## THIOVIT JET 80 WG

Version 6 - This version replaces all previous versions.

Revision Date 21.07.2011

Print Date 21.07.2011

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8.  
Avoid dust formation.

#### 6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

#### 6.3 Methods and materials for containment and cleaning up

Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

Do not create a powder cloud by using a brush or compressed air.  
Clean contaminated surface thoroughly.

If the product contaminates rivers and lakes or drains inform respective authorities.

#### 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.  
Refer to disposal considerations listed in section 13.

---

## THIOVIT JET 80 WG

Version 6 - This version replaces all previous versions.

Revision Date 21.07.2011

Print Date 21.07.2011

### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion. Flames, hot surfaces, mechanical sparks and electrostatic discharges can serve as ignition sources for this material. Electrical equipment should be compatible with the flammability characteristics of this material. The flammability characteristics will be made worse if the material contains traces of flammable solvents or is handled in the presence of flammable solvents.

In general personnel handling this material and all conducting equipment should be electrically earthed or grounded. Consideration should be given to avoiding the use of insulating plastics. Bulk bags (FIBC) used to contain this material should be Type C or Type D. Type C bags must be electrically grounded before powder is charged to or discharged from the bag. Bag filters used to scavenge dust from material handling processes should be conductive and electrically grounded during use. If metal or fibre drums are used to contain this product, make certain that the metal parts are bonded to the filling equipment and grounded.

Explosion protection is unlikely to be possible due to the increased violence of the dust cloud explosion.

This material could become charged under certain conditions such as pneumatic conveying.

Avoid contact with skin and eyes.

When using do not eat, drink or smoke.

For personal protection see section 8.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

- : Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

#### 7.3 Specific end uses

Registered Crop Protection products: For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

---

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product.

## THIOVIT JET 80 WG

Version 6 - This version replaces all previous versions.

Revision Date 21.07.2011

Print Date 21.07.2011

### 8.2 Exposure controls

- Engineering measures : Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.  
The extent of these protection measures depends on the actual risks in use.  
If airborne dust is generated, use local exhaust ventilation controls.  
Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit.  
Where necessary, seek additional occupational hygiene advice.
- Protective measures : The use of technical measures should always have priority over the use of personal protective equipment.  
When selecting personal protective equipment, seek appropriate professional advice.  
Personal protective equipment should be certified to appropriate standards.
- Respiratory protection : No personal respiratory protective equipment normally required.  
A particulate filter respirator may be necessary until effective technical measures are installed.
- Hand protection : Chemical resistant gloves are not usually required.  
Select gloves based on the physical job requirements.
- Eye protection : Eye protection is not usually required.  
Follow any site specific eye protection policies.
- Skin and body protection : No special protective equipment required.  
Select skin and body protection based on the physical job requirements.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	: solid
Form	: granules
Colour	: light brown to dark brown
Odour	: no data available
Odour Threshold	: no data available
pH	: 7 - 12 at 1 % w/v
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: not highly flammable
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Density	: no data available
Solubility in other solvents	: no data available
Partition coefficient: n-octanol/water	: no data available
Autoignition temperature	no data available

**THIOVIT JET 80 WG**

Version 6 - This version replaces all previous versions.

Revision Date 21.07.2011

Print Date 21.07.2011

Thermal decomposition : no data available  
Viscosity, dynamic : no data available  
Viscosity, kinematic : no data available  
Explosive properties : Not explosive  
Oxidizing properties : not oxidizing

**9.2 Other information**

Minimum ignition energy :  $\leq 1$  mJ  
Miscibility : Miscible  
Surface tension : 54.8 mN/m at 20 °C

**SECTION 10. STABILITY AND REACTIVITY****10.1 Reactivity**

No information available.

**10.2 Chemical stability**

No information available.

**10.3 Possibility of hazardous reactions**

None known.  
Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**

No information available.

**10.5 Incompatible materials**

No information available.

**10.6 Hazardous decomposition products**

Combustion or thermal decomposition will evolve toxic and irritant vapors.

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute oral toxicity : LD50 rat, > 5,000 mg/kg  
Acute inhalation toxicity : LC50 male and female rat, > 2.247 mg/l , 4 h  
Acute dermal toxicity : LD50 rat, > 2,000 mg/kg  
Skin corrosion/irritation : rabbit: Non-irritating  
Serious eye damage/eye irritation : rabbit: Non-irritating  
Respiratory or skin sensitization : guinea pig: not sensitizing  
Germ cell mutagenicity  
sulfur : Did not show mutagenic effects in animal experiments.

**THIOVIT JET 80 WG**

Version 6 - This version replaces all previous versions.

Revision Date 21.07.2011

Print Date 21.07.2011

**Carcinogenicity**

sulfur : Did not show carcinogenic effects in animal experiments.

**Teratogenicity**

sulfur : Did not show teratogenic effects in animal experiments.

**Reproductive toxicity**

sulfur : Did not show reproductive toxicity effects in animal experiments.

**STOT - repeated exposure**

sulfur : No adverse effect has been observed in chronic toxicity tests.

**SECTION 12. ECOLOGICAL INFORMATION****12.1 Toxicity**Toxicity to fish : LC50 *Cyprinus carpio* (Carp), > 5,000 mg/l , 96 hToxicity to aquatic invertebrates : EC50 *Daphnia magna* Straus, > 1,000 mg/l , 48 hToxicity to aquatic plants : EbC50 *Pseudokirchneriella subcapitata* (green algae), 290 mg/l , 72 h**12.2 Persistence and degradability****Stability in soil**sulfur :  
Not persistent in soil.**12.3 Bioaccumulative potential**

sulfur : Does not bioaccumulate.

**12.4 Mobility in soil**

sulfur : Moderately mobile in soils

**12.5 Results of PBT and vPvB assessment**sulfur : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).  
This substance is not considered to be very persistent nor very bioaccumulating (vPvB).**12.6 Other adverse effects**



**THIOVIT JET 80 WG**

Version 6 - This version replaces all previous versions.

Revision Date 21.07.2011

Print Date 21.07.2011

None known.

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

- Product : Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.
- Contaminated packaging : Empty remaining contents.  
Triple rinse containers.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.

**SECTION 14. TRANSPORT INFORMATION****Land transport (ADR/RID)**

Not dangerous goods

- 14.1 UN number: not applicable  
14.2 UN proper shipping name: not applicable  
14.3 Transport hazard class(es): not applicable  
14.4 Packing group: not applicable  
14.5 Environmental hazards: not applicable

**Sea transport (IMDG)**

Not dangerous goods

- 14.1 UN number: not applicable  
14.2 UN proper shipping name: not applicable  
14.3 Transport hazard class(es): not applicable  
14.4 Packing group: not applicable  
14.5 Environmental hazards: not applicable

**Air transport (IATA-DGR)**

Not dangerous goods

- 14.1 UN number: not applicable  
14.2 UN proper shipping name: not applicable  
14.3 Transport hazard class(es): not applicable  
14.4 Packing group: not applicable

**THIOVIT JET 80 WG**

Version 6 - This version replaces all previous versions.

Revision Date 21.07.2011

Print Date 21.07.2011

**14.6 Special precautions for user**

none

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

## GHS-Labeling

Precautionary statements	: P102 P270	Keep out of reach of children. Do not eat, drink or smoke when using this product.
Supplemental information	: EUH401	To avoid risks to human health and the environment, comply with the instructions for use.
Remarks	: Classified using all GHS hazard classes and categories. Where the GHS contains options, the most conservative option has been chosen. Regional or national implementations of GHS may not implement all hazard classes and categories.	

Hazardous components which must be listed on the label:

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment is not required for this substance.

**SECTION 16. OTHER INFORMATION****Further information**

Full text of R-phrases referred to under sections 2 and 3:

R38 Irritating to skin.

Full text of H-Statements referred to under sections 2 and 3.

H315 Causes skin irritation.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Product names are a trademark or registered trademark of a Syngenta Group Company.

## THIOVIT JET 80 WG

Version 6 - This version replaces all previous versions.

Revision Date 21.07.2011

Print Date 21.07.2011

---