

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

| | | |
|--------------|---|------------------------|
| Trade name | : | ANCHOR (W-EXTRA ENTRY) |
| Product code | : | 400000003997 |

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

| | | |
|------------------------------------|---|---|
| Use of the Sub- stance/Mixture | : | Fungicide |
| Recommended restrictions on use | : | Agriculture, For professional users only. |

1.3 Details of the supplier of the safety data sheet

Manufacturer or supplier's details

| | |
|----------|---|
| Company: | Chemtura Europe Limited Brooklands Farm, Cheltenham Road Evesham, Worcestershire United Kingdom WR11 2LS Telephone : +44 1386 425500 |
|----------|---|

| | |
|-------------|------------------------|
| Prepared by | sds.request@arysta.com |
|-------------|------------------------|

Further information for the safety data sheet :
sds.request@arysta.com

1.4 Emergency telephone number

| | |
|-----------------------------|--|
| Emergency telephone number: | +44 (0) 1235 239 670 (NCEC) For additional emergency telephone numbers see section 16 of the Safety Data Sheet. |
|-----------------------------|--|

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

| | |
|---|---|
| Specific target organ toxicity - repeated | H373: May cause damage to organs through pro- |
|---|---|

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ANCHOR (W-EXTRA ENTRY)

| | | | |
|----------------|------------------------------|------------------------------|-----------------------------|
| Version 2.3 | Revision Date: 14.09.2015 | MSDS Number: 400000003997 | Country: GB Language: EN |
|----------------|------------------------------|------------------------------|-----------------------------|

| | |
|--------------------------------------|---|
| exposure, Category 2 | longed or repeated exposure. |
| Aspiration hazard, Category 1 | H304: May be fatal if swallowed and enters air-ways. |
| Acute aquatic toxicity, Category 1 | H400: Very toxic to aquatic life. |
| Chronic aquatic toxicity, Category 1 | H410: Very toxic to aquatic life with long lasting effects. |

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

| | | |
|-------------------|------|---|
| Hazard statements | H304 | May be fatal if swallowed and enters air-ways. |
| | H373 | May cause damage to organs through pro-longed or repeated exposure. |
| | H410 | Very toxic to aquatic life with long lasting effects. |

| | | |
|--------------------------|-------------------------|--|
| Precautionary statements | Prevention: | |
| | P260 | Do not breathe dust/ fume/ gas/ mist/ va-pours/ spray. |
| | P273 | Avoid release to the environment. |
| | Response: | |
| | P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Get medical advice/ attention if you feel unwell. |
| P314 | | |
| P331 | Do NOT induce vomiting. | |
| P391 | Collect spillage. | |

Hazardous components which must be listed on the label:

thiram

baseoil - unspecified

| | | |
|--------------------------------|----------|---|
| Supplemental Hazard Statements | : EUH401 | To avoid risks to human health and the environment, comply with the instructions for use. |
|--------------------------------|----------|---|

Additional Labelling:

EUH208 Contains tetramethylthiuram disulphide, carboxin. May produce an allergic re-

ANCHOR (W-EXTRA ENTRY)

Version 2.3 Revision Date: 14.09.2015 MSDS Number: 400000003997 Country: GB
Language: EN

action.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

| Chemical Name | CAS-No. EC-No. Registration number | Classification | Concentration (% w/w) |
|-----------------------|--|--|--------------------------|
| thiram | 137-26-8 205-286-2 | Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | 17.6 |
| carboxin | 5234-68-4 226-031-1 | Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | 17.8 |
| ethane-1,2-diol | 107-21-1 203-473-3 | Acute Tox. 4; H302 | >= 1 - < 10 |
| baseoil - unspecified | 64742-56-9 265-159-2 | | >= 10 - <= 20 |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- If inhaled : Remove to fresh air.
Obtain medical attention.
- In case of skin contact : Remove contaminated clothing and shoes.
Wash off with warm water and soap.
If symptoms persist, call a physician.
Wash contaminated clothing before re-use.
Destroy contaminated shoes.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes.
If symptoms persist, call a physician.

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

If swallowed : Do NOT induce vomiting.
Rinse mouth with water.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Symptoms may be delayed.
Abdominal pain

Risks : May be fatal if swallowed and enters airways.
May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Extinguishing media - large fires
Alcohol-resistant foam
(on small fires)
Carbon dioxide (CO₂)
Dry chemical
Water spray

Unsuitable extinguishing media : Water spray jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Burning produces irritant fumes.
Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Use water spray to cool unopened containers.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear suitable protective equipment.

ANCHOR (W-EXTRA ENTRY)

Version Revision Date: MSDS Number: Country: GB
2.3 14.09.2015 400000003997 Language: EN

Avoid contact with skin and eyes.
Keep in properly labelled containers.
Dispose of rinse water as waste water.

6.2 Environmental precautions

Environmental precautions : Should not be released into the environment.
Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Large spills should be collected mechanically (remove by pumping) for disposal.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Use plant protection products safely. Always read the label and product information before use.
Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with skin, eyes and clothing.
Wear personal protective equipment.
Do not breathe vapours or spray mist.
Use only in area provided with appropriate exhaust ventilation.
Handle and open container with care.
Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep in a dry, cool place.

Other data : Stable under recommended storage conditions.

7.3 Specific end use(s)

Specific use(s) : Fungicide

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|------------|---------|-------------------------------|--------------------|-------|
|------------|---------|-------------------------------|--------------------|-------|

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ANCHOR (W-EXTRA ENTRY)

Version 2.3 Revision Date: 14.09.2015 MSDS Number: 400000003997 Country: GB
Language: EN

| | | | | |
|---------------------|---|-----------------|---------------------|------------|
| ethane-1,2-diol | 107-21-1 | TWA | 20 ppm 52 mg/m3 | 2000/39/EC |
| Further information | Identifies the possibility of significant uptake through the skin, Indicative | | | |
| | | STEL | 40 ppm 104 mg/m3 | 2000/39/EC |
| Further information | Identifies the possibility of significant uptake through the skin, Indicative | | | |
| | | TWA (Vapour) | 20 ppm 52 mg/m3 | GB EH40 |
| Further information | Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | |
| | | TWA (particles) | 10 mg/m3 | GB EH40 |
| Further information | Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | |
| | | STEL (Vapour) | 40 ppm 104 mg/m3 | GB EH40 |
| Further information | Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | |

8.2 Exposure controls

Engineering measures

Use mechanical ventilation for general area control.
Ensure that extracted air cannot be returned to the workplace through the ventilation system.
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye protection : Safety glasses with side-shields
or
Safety goggles

Hand protection
Remarks : Impervious gloves

Skin and body protection : Impervious clothing
Long sleeved clothing
To protect against splashes from pouring:
Rubber or plastic boots
Rubber or plastic apron
Remove and wash contaminated clothing before re-use.
Discard contaminated shoes.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
Respirator with a vapour filter (EN 141)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : red

Odour : none

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

| | |
|--|---------------------------------|
| Odour Threshold | : No data available |
| pH | : 7 - 9 |
| | : No data available |
| Boiling point/boiling range | : 104 °C |
| Flash point | : does not flash |
| Evaporation rate | : No data available |
| Upper explosion limit | : Not explosive |
| Lower explosion limit | : Not explosive |
| Vapour pressure | : No data available |
| Relative vapour density | : No data available |
| Relative density | : No data available |
| Density | : 1.1 g/cm ³ (20 °C) |
| Solubility(ies) | |
| Water solubility | : No data available |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : No data available |
| Viscosity | |
| Viscosity, dynamic | : 379.8 mPa.s (20 °C) |
| Viscosity, kinematic | : No data available |
| Explosive properties | : Not explosive |

9.2 Other information

| | |
|-----------------|-------------|
| Surface tension | : 45.1 mN/m |
|-----------------|-------------|

SECTION 10: Stability and reactivity

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Burning produces noxious and toxic fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): 4,500 mg/kg
GLP: yes

Acute inhalation toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute dermal toxicity : LD50 (Rat): > 4,000 mg/kg
GLP: yes

Components:

thiram:

Acute oral toxicity : LD50 (Rat, female): 1,800 mg/kg

Acute inhalation toxicity : LC50 (Rat, female): 3.46 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

carboxin:

Acute oral toxicity : LD50 (Rat, male): 2,588 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 4.7 mg/l
Exposure time: 4 h
Assessment: The substance or mixture has no acute inhalation toxicity

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 (Rabbit, male and female): > 4,000 mg/kg

ethane-1,2-diol:

Acute oral toxicity : LD50 (Rat, female): 4,700 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 10,670 mg/kg

Skin corrosion/irritation

Product:

Species: Rabbit
Assessment: No skin irritation
GLP: yes

Components:

thiram:

Species: Rabbit
Result: No skin irritation

carboxin:

Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Product:

Species: Rabbit
Assessment: No eye irritation
GLP: yes

Components:

thiram:

Species: Rabbit
Assessment: Irritating to eyes.
Result: Irritating to eyes.

carboxin:

Species: Rabbit
Assessment: No eye irritation
Result: slight irritation

Respiratory or skin sensitisation

Product:

Species: Guinea pig
Result: Does not cause skin sensitisation.

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

GLP: yes

Components:

thiram:

Species: Guinea pig
Assessment: May cause sensitisation by skin contact.
Result: Causes sensitisation.

carboxin:

Species: Guinea pig
Assessment: May cause sensitisation by skin contact.
Method: Magnusson-Kligmann-Test
Result: positive
GLP: yes

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment : Based on available data, the classification criteria are not met.

Components:

thiram:

Genotoxicity in vitro : Species: Salmonella typhimurium
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)
Result: positive

: Species: Chinese hamster ovary cells
Result: negative

: Species: Chinese hamster ovary cells
Method: In Vitro mammalian Cell Gene Mutation Test
Result: negative

Genotoxicity in vivo : Test Type: Mammalian bone marrow chromosome aberration test
Species: Mouse
Result: negative

Germ cell mutagenicity- Assessment : negative

carboxin:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation test
Species: Salmonella typhimurium
Result: negative

: Test Type: Chromosome aberration test in vitro
Species: Chinese hamster ovary cells
Result: Negative without activation, positive with activation

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

| | |
|------------------------------------|--|
| | : Test Type: In Vitro mammalian Cell Gene Mutation Test Species: Chinese hamster ovary cells Result: negative |
| | : Test Type: Unscheduled DNA synthesis (UDS) Species: rat hepatocytes Result: positive |
| Genotoxicity in vivo | : Test Type: Mammalian bone marrow chromosome aberration test Species: Sprague-Dawley rat bone marrow cells Result: negative |
| | Test Type: Mammalian bone marrow chromosome aberration test Species: Sprague-Dawley rat bone marrow cells Result: negative |
| | Test Type: Unscheduled DNA synthesis (UDS) Species: Male Sprague-Dawley rat liver hepatocyte cells Result: negative |
| Germ cell mutagenicity- Assessment | : negative |

Carcinogenicity

Product:

| | |
|------------------------------|---|
| Carcinogenicity - Assessment | : Based on available data, the classification criteria are not met. |
|------------------------------|---|

Components:

thiram:

Species: Rat

Application Route: Oral

NOAEL: No observed adverse effect level: 1.5 mg/kg bw/day

| | |
|------------------------------|------------|
| Carcinogenicity - Assessment | : negative |
|------------------------------|------------|

carboxin:

Species: Rat, (male)

Application Route: Oral

NOAEL: No observed adverse effect level: 0.82 mg/kg bw/day

| | |
|------------------------------|------------|
| Carcinogenicity - Assessment | : negative |
|------------------------------|------------|

baseoil - unspecified:

| | |
|------------------------------|--|
| Carcinogenicity - Assessment | : Weight of evidence does not support classification as a carcinogen |
|------------------------------|--|

ANCHOR (W-EXTRA ENTRY)

| | | | |
|----------------|------------------------------|------------------------------|-----------------------------|
| Version 2.3 | Revision Date: 14.09.2015 | MSDS Number: 400000003997 | Country: GB Language: EN |
|----------------|------------------------------|------------------------------|-----------------------------|

Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met.
Based on available data, the classification criteria are not met.

Components:

thiram:

Effects on fertility : Species: Rat
General Toxicity - Parent: No observed adverse effect level: 2.3 mg/kg bw/day
General Toxicity F1: No observed adverse effect level F1: 9 mg/kg bw/day
Early Embryonic Development: No observed adverse effect level F2: 3 mg/kg bw/day

Effects on foetal development : Species: Rabbit
General Toxicity Maternal: No observed adverse effect level: 10 mg/kg bw/day
Teratogenicity: No observed adverse effect level: 10 mg/kg bw/day

Species: Rat
Teratogenicity: No observed adverse effect level: 7.5 mg/kg bw/day

Reproductive toxicity - Assessment : negative
negative

carboxin:

Effects on fertility : General Toxicity - Parent: No observed adverse effect level: 1 mg/kg bw/day
General Toxicity F1: No observed adverse effect level F1: 20 mg/kg bw/day
Early Embryonic Development: No observed adverse effect level F2: 10 mg/kg bw/day

Effects on foetal development : Species: Rat
General Toxicity Maternal: No observed adverse effect level: 10 mg/kg bw/day
Teratogenicity: No observed adverse effect level: 90 mg/kg bw/day

Species: Rabbit
General Toxicity Maternal: No observed adverse effect level: 75 mg/kg bw/day
Teratogenicity: No observed adverse effect level: 75 mg/kg bw/day

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

Reproductive toxicity - Assessment : negative
negative

STOT - single exposure

Product:

Assessment: Based on available data, the classification criteria are not met.

STOT - repeated exposure

Product:

Assessment: May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:

thiram:

Species: Rat
NOAEL: 2.5 mg/kg
Application Route: Oral
Exposure time: 90 d
Target Organs: Stomach

Species: Rabbit
NOAEL: 300 mg/kg
Application Route: Dermal
Exposure time: 21 d

Species: Dog
NOAEL: 2 mg/kg
Application Route: Oral
Exposure time: 90 d
Target Organs: Liver

carboxin:

Species: Rat, male
NOAEL: 30 mg/kg
Application Route: Dermal
Exposure time: 28 d
GLP: yes
Target Organs: Kidney

Species: Rat, male
NOAEL: 5.5 mg/kg
Application Route: Oral
Exposure time: 90 d
GLP: yes
Target Organs: Kidney

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

Further information

Product:

Remarks: No information available.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No data is available on the product itself.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data is available on the product itself.

Toxicity to algae : Remarks: No data is available on the product itself.

Components:

thiram:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.046 mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.011 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 0.065 mg/l
Exposure time: 120 h
Test Type: static test

M-Factor (Acute aquatic toxicity) : 10

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : 0.008 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

M-Factor (Chronic aquatic toxicity) : 10

carboxin:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.3 mg/l
Exposure time: 96 h
Test Type: flow-through test
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 57 mg/l
Exposure time: 48 h
Test Type: flow-through test

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

GLP: yes

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 0.48 mg/l
Exposure time: 5 d
Test Type: static test

Toxicity to fish (Chronic toxicity) : NOEC: 0.32 mg/l
Exposure time: 21 d
Species: Cyprinus carpio (Carp)
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0.32 mg/l
Exposure time: 17 d
Species: Daphnia magna (Water flea)
GLP: yes

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Components:

thiram:

Biodegradability : Result: Not readily biodegradable.

carboxin:

Biodegradability : Result: Not readily biodegradable.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

thiram:

Partition coefficient: n-octanol/water : log Pow: 2.1

carboxin:

Partition coefficient: n-octanol/water : log Pow: 2.3

ethane-1,2-diol:

Partition coefficient: n-octanol/water : log Pow: -1.3

12.4 Mobility in soil

Product:

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

Mobility : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

Components:

thiram:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT)..

carboxin:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT)..

12.6 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

| | |
|------------------------|--|
| Product | : The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company. |
| Contaminated packaging | : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. |

SECTION 14: Transport information

14.1 UN number

| | |
|------|-----------|
| ADN | : UN 3082 |
| ADR | : UN 3082 |
| RID | : UN 3082 |
| IMDG | : UN 3082 |

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ANCHOR (W-EXTRA ENTRY)

| | | | |
|---------|----------------|--------------|--------------|
| Version | Revision Date: | MSDS Number: | Country: GB |
| 2.3 | 14.09.2015 | 400000003997 | Language: EN |

IATA : UN 3082

14.2 UN proper shipping name

ADN : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(carboxin, thiram)

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(carboxin, thiram)

RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(carboxin, thiram)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(carboxin, thiram)

IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(carboxin, thiram)

14.3 Transport hazard class(es)

ADN : 9

ADR : 9

RID : 9

IMDG : 9

IATA : 9

14.4 Packing group

ADN
Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9

ADR
Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (E)

RID
Packing group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9

IMDG
Packing group : III

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ANCHOR (W-EXTRA ENTRY)

Version 2.3 Revision Date: 14.09.2015 MSDS Number: 400000003997 Country: GB
Language: EN

Labels : 9
EmS Code : F-A, S-F
IATA
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964
Packing instruction (LQ) : Y964
Packing group : III
Labels : Miscellaneous

14.5 Environmental hazards

ADN
Environmentally hazardous : yes

ADR
Environmentally hazardous : yes

RID
Environmentally hazardous : no

IMDG
Marine pollutant : no

14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Neither banned nor restricted

Restrictions on the marketing and use of certain dangerous substances and preparations : Distillates (petroleum), solvent-refined heavy naphthenic

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : thiram

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

| | | | |
|----|-----------------------|---------------------|---------------------|
| E1 | ENVIRONMENTAL HAZARDS | Quantity 1 100 t | Quantity 2 200 t |
|----|-----------------------|---------------------|---------------------|

ANCHOR (W-EXTRA ENTRY)

| | | | |
|----------------|------------------------------|------------------------------|-----------------------------|
| Version 2.3 | Revision Date: 14.09.2015 | MSDS Number: 400000003997 | Country: GB Language: EN |
|----------------|------------------------------|------------------------------|-----------------------------|

| | | | |
|----|--|---------|----------|
| 34 | Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams), (d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d) | 2,500 t | 25,000 t |
|----|--|---------|----------|

Water contaminating class (Germany) : WGK 3 highly water endangering
Classification according VwVwS, Annex 4.

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

Full text of H-Statements

| | |
|------|---|
| H302 | : Harmful if swallowed. |
| H315 | : Causes skin irritation. |
| H317 | : May cause an allergic skin reaction. |
| H319 | : Causes serious eye irritation. |
| H332 | : Harmful if inhaled. |
| H373 | : May cause damage to organs through prolonged or repeated exposure if swallowed. |
| H400 | : Very toxic to aquatic life. |
| H410 | : Very toxic to aquatic life with long lasting effects. |

Full text of other abbreviations

| | |
|-----------------|--|
| Acute Tox. | : Acute toxicity |
| Aquatic Acute | : Acute aquatic toxicity |
| Aquatic Chronic | : Chronic aquatic toxicity |
| Eye Irrit. | : Eye irritation |
| Skin Irrit. | : Skin irritation |
| Skin Sens. | : Skin sensitisation |
| STOT RE | : Specific target organ toxicity - repeated exposure |

(Q)SAR - (Quantitative) Structure Activity Relationship; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; DIN - Standard of the German Institute for Standardisation; ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response;

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

ANCHOR (W-EXTRA ENTRY)

Version 2.3 Revision Date: 14.09.2015 MSDS Number: 400000003997 Country: GB
Language: EN

EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TRGS - Technical Rule for Hazardous Substances; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

Further information

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.

GB / EN

Carechem24 International Worldwide Coverage

Emergency Phone Number

| | | |
|----------------------|--|-----------------------------|
| <u>Europe:</u> | All European Countries | +44 (0) 1235 239 670 (NCEC) |
| <u>Asia Pacific:</u> | East / South East Asia – Regional Number | +65 3158 1074 |
| | Australia | +61 2801 44558 |
| | New Zealand | +64 9929 1483 |
| | China | +86 532 8388 9090 |
| | China Taiwan | +86 10 5100 3039 |
| | Japan | +81 345 789 341 |

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

ANCHOR (W-EXTRA ENTRY)

Version Revision Date: MSDS Number: Country: GB
2.3 14.09.2015 400000003997 Language: EN

| | | |
|------------------------------|-------------------------------------|-------------------------------------|
| | Indonesia | 00780 3011 0293 |
| | Malaysia | +60 3 6207 4347 |
| | Thailand | 001800 1 2066 6751 |
| | Korea | +65 3158 1285 +82 (0)234 798 401 |
| | Vietnam | +65 3158 1255 |
| | India | +65 3158 1198 0800 100 7479 |
| | Pakistan | +65 3158 1329 |
| | Philippines | +65 31581203 |
| | Sri Lanka | +65 3158 1195 |
| | Emergency Phone Number | +65 3158 1200 |
| <u>Middle East / Africa:</u> | Arabic speaking countries | +44 (0) 1235 239 671 |
| | South Africa | +27 21 300 2732 |
| | All other countries | +44 (0) 1235 239 670 |
| <u>America</u> | United States of America and Canada | +1866 928 0789 +1 215 207 0061 |
| <u>Latin America:</u> | Brazil | +55 113 711 9144 |
| | Mexico | +52 555 004 8763 |
| | Chile | +56 225 829 336 |
| | All other countries | +44 (0) 1235 239 670 |
