SAFETY DATA SHEET

1. Identification

Product identifier       Equus 720 SST Fungicide
Other means of identification
SDS number          567
Product registration number          5481-619

Recommended use       Fungicide. See label for a complete list of uses.
Recommended restrictions       No other uses are advised.
Keep out of the Reach of Children!

EPA Registration number       EPA: 5481-619

Manufacturer/Importer/Supplier/Distributor information
Manufacturer
Company name         AMVAC Chemical Corporation
Address            4685 MacArthur Court
                 Suite 1200
                 Newport Beach, CA 92660
Telephone          AMVAC Chemical Corp 949-260-1200
                 AMVAC Chemical Corp 949-260-6270 (FAX)
Website            www.Amvac-Chemical.com
E-mail            CustServ@Amvac-Chemical.com
Emergency phone number     Medical 888-681-4261
                   CHEMTREC® 800-424-9300
                   (USA+Canada)
                   Product Use 888-462-6822
                   CHEMTREC® (Outside USA) +1-703-527-3887

2. Hazard(s) identification

Physical hazards       Not classified.
Health hazards         Acute toxicity, inhalation Category 4
                     Serious eye damage/eye irritation Category 2
                     Carcinogenicity                  Category 2
                     Specific target organ toxicity, single exposure Category 3 respiratory tract irritation
Environmental hazards  Hazardous to the aquatic environment, acute hazard Category 1
                     Hazardous to the aquatic environment, long-term hazard Category 1
OSHA defined hazards    Not classified.
Label elements        Hazard symbol None.
                      Signal word None.
                      Hazard statement

Material name: Equus 720 SST Fungicide
Version #: 2.0    Revision date: Aug-29-2018    Issue date: Aug-28-2017
Precautionary statement

Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.

Wear respiratory protection.

Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

Disposal

Not available.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

This is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced in section 15. The pesticide label also includes other important information, including directions for use.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorothalonil</td>
<td>2,4,5,6-Tetrachloro-1,3-benzenedicarbonitrile</td>
<td>1897-45-6</td>
<td>52.38 - 55.62</td>
</tr>
<tr>
<td>Proprietary Solvent</td>
<td>Proprietary</td>
<td></td>
<td>&lt; 10</td>
</tr>
</tbody>
</table>

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation

Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Skin contact

Not available.

Eye contact

Not available.

Ingestion

Not available.

Most important symptoms/effects, acute and delayed

High vapor concentrations may cause central nervous system depression which can lead to dizziness, weakness and headache.

General information

When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

5. Fire-fighting measures

Suitable extinguishing media

Not available.

Unsuitable extinguishing media

Not available.

Specific hazards arising from the chemical

Not applicable.

Special protective equipment and precautions for firefighters

Not available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up

Large Spills: Siphon the spilled liquid into a recovery drum for reuse or disposal, depending on the circumstances. Clean the area as described for a small spill. Clean the area with common powdered household detergent and a stiff brush and just enough water to make a slurry.

Environmental precautions

Not available.

7. Handling and storage

Precautions for safe handling

Avoid breathing mist or vapor.

Conditions for safe storage, including any incompatibilities

Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proprietary Solvent</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>Aerosol, inhalable.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>50 ppm</td>
<td>Vapor fraction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25 ppm</td>
<td>Vapor fraction</td>
</tr>
</tbody>
</table>

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection

Not available.

Skin protection

Hand protection

Neoprene, butyl rubber, nitrile or Viton gloves are recommended.

Other

Long-sleeved shirt and long pants or coveralls, socks and closed toe shoes are required.

Respiratory protection

For exposures that may exceed the TLV, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) is required. A full-face respirator or a SCBA may be required if misting or splashing are possible.

Thermal hazards

Not available.

9. Physical and chemical properties

Appearance

Physical state: Liquid.

Form: Liquid.

Color: Off-white

Odor: Slight.

Odor threshold: Not available.

pH: 7.7 (1% dispersion)

Melting point/freezing point: Not available.

Initial boiling point and boiling range: Not available.

Flash point: 210 °F (99 °C) estimated

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%): 2.6 % estimated

Flammability limit - upper (%): 12.6 % estimated

Explosive limit - lower (%): Not available.

Explosive limit - upper (%): Not available.

Vapor pressure: Not available.
Vapor density Not available.
Relative density Not available.
Solubility(ies) Not available.
  Solubility (water) Not available.
Auto-ignition temperature 700 °F (371 °C) estimated
 Decomposition temperature Not available.
Viscosity Not available.
Other information
  Density 1.32 g/cm³
  Dynamic viscosity 807 cP
  Flammability class Combustible III B estimated
  Percent volatile 6.4 % estimated
  VOC 6.4 % estimated

10. Stability and reactivity
Reactivity Not available.
Chemical stability Not available.
Possibility of hazardous reactions Not available.
Conditions to avoid Keep out of reach of children. Store away from foodstuffs, animal feed, and fertilizers.
Incompatible materials Alkaline compounds. Metals such as aluminum, tin, and zinc.
Hazardous decomposition products Not available.

11. Toxicological information
Information on likely routes of exposure
  Inhalation Not available.
  Skin contact Not available.
  Eye contact Not available.
  Ingestion Not available.
Symptoms related to the physical, chemical and toxicological characteristics
  Serious eye irritation.
Information on toxicological effects
Acute toxicity Causes serious eye irritation.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equus 720 SST Fungicide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 2.02 mg/l, 4 h</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation Not irritating to skin.
Serious eye damage/eye irritation Not available.
Respiratory or skin sensitization Not available.
  Respiratory sensitization Not available.
  Skin sensitization Not available.
Germ cell mutagenicity Not available.
Carcinogenicity
IARC Monographs. Overall Evaluation of Carcinogenicity
Chlorothalonil (CAS 1897-45-6) 2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens
Not listed.

Reproductive toxicity
Not available.

Specific target organ toxicity - single exposure
Not available.

Specific target organ toxicity - repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Not available.

12. Ecological information

Ecotoxicity
Very toxic to aquatic life.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorothalonil (CAS 1897-45-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.081 - 0.113 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Rainbow trout, donaldson trout, (Oncorhynchus mykiss)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.0136 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability
Not available.

Bioaccumulative potential
Not available.

Mobility in soil
Not available.

Other adverse effects
Not available.

13. Disposal considerations

Disposal instructions
Not available.

Waste from residues / unused products
Dispose of in accordance with all applicable regulations.

Contaminated packaging
Not available.

14. Transport information

DOT

UN number
UN3082

UN proper shipping name
Environmentally hazardous substances, liquid, n.o.s. (Chlorothalonil)

Transport hazard class(es)

Class
9

Subsidiary risk
-

Label(s)
9

Packing group
III

Environmental hazards
No

Marine pollutant
Not available.

Special precautions for user
Not available.

Special provisions
8, 146, 335, IB3, T4, TP1, TP29

Packaging exceptions
155

Packaging non bulk
203

Packaging bulk
241

IATA

UN number
UN3082

UN proper shipping name
Environmentally hazardous substances, liquid, n.o.s. (Chlorothalonil)

Transport hazard class(es)

Class
9

Subsidiary risk
-

Label(s)
9

Packing group
III

Environmental hazards
Yes, when shipped in bulk over large bodies of water
Special precautions for user: Not available.

IMDG

UN number: UN3082

UN proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (Chlorothalonil), MARINE POLLUTANT

Transport hazard class(es)
- Class: 9
- Subsidiary risk: -
- Label(s): 9

Packing group: III

Environmental hazards:
- Marine pollutant: Yes

EmS: Not available.

Special precautions for user: Not available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: DOT; IATA; IMDG

Marine pollutant

General information: This product is not regulated when shipped by highway, rail, or air in non-bulk packaging (maximum capacity of 450 L (119 gallons) or less.)
15. Regulatory information

US federal regulations

This is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

HAZARD TO HUMANS AND DOMESTIC ANIMALS.

WARNING: Causes eye irritation. May cause skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes. Avoid breathing spray mist. Do not take internally.

Note to user: This product may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation, and redness or rash on exposed skin areas. Persons having allergic reactions should contact a physician.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates and wildlife. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate. This chemical is known to leach through soil into groundwater under certain conditions as a result of labeled use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Proprietary Solvent (CAS Proprietary) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

Yes

Classified hazard categories

Acute toxicity (any route of exposure)
Serious eye damage or eye irritation
Carcinogenicity
Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
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<tbody>
<tr>
<td>Chlorothalonil</td>
<td>1897-45-6</td>
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Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Proprietary Solvent (CAS Proprietary)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

California Proposition 65

WARNING: This product can expose you to Chlorothalonil, which is known to the State of California to cause cancer, and Proprietary Solvent, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Chlorothalonil (CAS 1897-45-6) Listed: January 1, 1989
California Proposition 65 - CRT: Listed date/Developmental toxin
Proprietary Solvent (CAS Proprietary) Listed: June 19, 2015
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
Chlorothalonil (CAS 1897-45-6)
Proprietary Solvent (CAS Proprietary)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date: Aug-28-2017
Revision date: Aug-29-2018
Version #: 2.0

HMIS® ratings
Health: 2*
Flammability: 0
Physical hazard: 0

NFPA ratings
Health: 2
Flammability: 0
Instability: 0

Disclaimer
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HMIS is a trademark of the American Coatings Association.
NFPA is a trademark of the National Fire Protection Association, Inc.

Revision information
Hazard(s) identification: Hazard statement
Hazard(s) identification: Hazard(s) not otherwise classified (HNOC)
Hazard(s) identification: Supplemental information
Composition / Information on Ingredients: Disclosure Overrides
Regulatory information: California Proposition 65
Regulatory information: Water Pollution Control Act
Other information, including date of preparation or last revision: Disclaimer
GHS: Classification