| | | | 2440 Geel, Belgium | | | | | |
|---|---|------------------------------|--|--------------------------------|--|-------------------------|--------------------------------|--|
| | | | Acros Organics | | | | | |
| Company Identification: (USA) For information in the US, call: For information in Europe, call: Emergency Number, Europe: Emergency Number US: | | | One Reagent Lane | | | | | |
| | | | Fair Lawn, NJ 07410 | | | | | |
| | | | 800-ACROS-01 +32 14 57 52 11 +32 14 57 52 99 201-796-7100 | | | | | |
| | | | | CHEMTREC Phone Number, US: | | | 800-424-9300 703-527-3887 | |
| | | | | CHEMTREC Phone Number, Europe: | | Europe: | | |
| | | | | | | Section 2 - Composition | on, Information on Ingredients | |
| CAS#: | | 485-72-3 | | | | | | |
| Chemical Na | me: | Formononetin | | | | | | |
| %: | | 99 | | | | | | |
| EINECS#: | | 207-623-9 | | | | | | |
| | Hazard Symbols: | XI | | | | | | |
| | * | | | | | | | |
| | Risk Phrases: | 36/37/38 | | | | | | |
| | | Section 3 - H | lazards Identification | | | | | |
| | | EMERGEN | NCY OVERVIEW | | | | | |
| V | Varning! Causes eye, | skin, and respiratory tract | irritation. Target Organs: Respiratory system, eyes, skin. | | | | | |
| Potential I | Health Effects | | | | | | | |
| Eye: | Causes eye irritation. | | | | | | | |
| Skin: | Causes skin irritation. | | | | | | | |
| Ingestion: | : May cause gastrointestinal irritation with nausea, vomiting and diarrhea. | | | | | | | |
| | Causes respiratory tra | ct irritation. Inhalation ma | y be fatal as a result of spasm, inflammation, edema of the l | arynx | | | | |
| Inhalation: | | | ary edema. May cause burning sensation, coughing, wheezir a, and vomiting. Can produce delayed pulmonary edema. | ıg, | | | | |
| Chronic: | No information found | i. | | | | | | |
| | | Section 4 - | First Aid Measures | | | | | |
| Eyes: | Immediately flus | sh eyes with plenty of water | r for at least 15 minutes, occasionally lifting the upper and lo | wer | | | | |
| | | | | | | | | |

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If

conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration, If

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH

(approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be

breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures

Section 7 - Handling and Storage

Handling: and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Wash

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Section 8 - Exposure Controls, Personal Protection

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a

Respirators: NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if

Physical State: Solid

Decomposition Temperature: Not available

Carbon monoxide, carbon dioxide.

Has not been reported.

The toxicological properties have not been fully investigated.

Specific Gravity/Density:

conditions.

CAS# 485-72-3: DJ3100114

RTECS: Not available.

No information found No information found

No information found No information found

No information found

Shipping Name: Not regulated as a hazardous material

Solubility in water: Not available

Molecular Formula: C16H12O4 Molecular Weight: 268.0816

Section 10 - Stability and Reactivity

Incompatible materials, dust generation, excess heat.

Section 11 - Toxicological Information

Formononetin - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

Section 13 - Disposal Considerations Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None

Section 14 - Transport Information

Section 15 - Regulatory Information

None of the chemicals are on the Health & Safety Reporting List.

None of the chemicals in this material have a SNUR under TSCA.

None of the chemicals are listed under TSCA Section 12b.

None of the chemicals in this material have an RQ.

None of the chemicals in this product have a TPQ.

No chemicals are reportable under Section 313.

None of the chemicals in this product are listed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

S 37/39 Wear suitable gloves and eye/face protection.

and the MSDS contains all of the information required by those regulations.

CAS# 485-72-3 is not listed on Canada's Ingredient Disclosure List.

Revisions were made in Sections: 3

company has been advised of the possibility of such damages.

None of the chemicals in this product are under a Chemical Test Rule.

This material does not contain any hazardous air pollutants. This material does not contain any

None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of

Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors. None of the chemicals in this product are listed as Hazardous Substances under the CWA.

the chemicals in this product are listed as Toxic Pollutants under the CWA.

Formononetin is not present on state lists from CA, PA, MN, MA, FL, or NJ.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations

Section 16 - Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the

MSDS Creation Date: 2/01/2000

Revision #4 Date 10/19/2006

CAS# 485-72-3 is not listed on the TSCA Inventory. It is for research and development

Oxidizing agents, acids, acid anhydrides, acid chlorides.

Stable at room temperature in closed containers under normal storage and handling

Section 9 - Physical and Chemical Properties

Vapor Pressure: Not available Vapor Density: Not available Evaporation Rate: Not available

Viscosity: Not available Boiling Point: Not available Freezing/Melting Point: 258 deg C (496.40°F)

Color: Not available Odor: Not available pH: Not available

Minimize dust generation and accumulation. Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin,

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide

Treat symptomatically and supportively.

generated by thermal decomposition or combustion.

Use water spray, dry chemical, carbon dioxide, or chemical foam.

Use proper personal protective equipment as indicated in Section 8.

| Formononetin | none listed | none listed | none listed

protection regulations in 29 CFR 1910.133 or European Standard EN166.

Wear appropriate protective gloves to prevent skin exposure.

Wear appropriate protective clothing to prevent skin exposure.

Section 1 - Chemical Product and Company Identification

Acros Organics BVBA Janssen Pharmaceuticalaan 3a

7-Hydroxy-4'-methoxyisoflavone; Dadein 4'-methyl ether

Formononetin, 99%

AC342480000, AC342480010

eyelids. Get medical aid. Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing Skin: and shoes. Wash clothing before reuse.

Ingestion:

Inhalation:

Notes to

Physician:

General

Media:

General

Information:

Spills/Leaks:

Engineering Controls:

Personal Protective Equipment

Exposure Limits

Chemical Stability:

Materials

Products

RTECS#: LD50/LC50:

Carcinogenicity:

Epidemiology:

Teratogenicity: Reproductive:

Neurotoxicity:

Mutagenicity:

Other:

Not available

listed.

US DOT

Hazard Class: UN Number: Packing Group: Canada TDG

Hazard Class:

UN Number: Packing Group:

US Federal

TSCA

use only.

Health & Safety Reporting

TSCA Significant New Use

Chemical Test Rules

CERCLA Hazardous Substances and

corresponding RQs SARA Section 302 Extremely Hazardous

Section 12b

Substances Section 313

Clean Air Act:

Clean Water Act:

California Prop 65

California No Significant

Canada

European/International Regulations

Risk Phrases:

Safety Phrases:

Hazard Symbols: XI

WGK (Water Danger/Protection)

CAS# 485-72-3: Not available

Canadian WHMIS Classifications: Not available

European Labeling in Accordance with EC Directives

OSHA: STATE

Risk Level:

Shipping Name: Not available

Conditions to Avoid:

Incompatibilities with Other

Hazardous Decomposition

Hazardous Polymerization

Eyes:

Skin: Clothing:

Information:

Extinguishing

Temperature:

Autoignition Not available

Flash Point: Not available

ventilation.

clothing before reuse.

OSHA Vacated PELs: Formononetin: None listed

adequate ventilation to keep airborne concentrations low.

irritation or other symptoms are experienced.

NFPA Rating: health: 2; flammability: 0; instability: 0;

Explosion Limits: Not available

Explosion Limits: Upper: Not available

Material Safety Data Sheet

Formononetin, 99%

MSDS# 02219

MSDS Name:

Synonyms:

Catalog Numbers:

Company Identification: