Section 1 - Chemical Product and Company Identification

MSDS Name: Dicyclopentadiene, stabilized
Catalog Numbers: 15076-0000, 15076-0010, 15076-0025, 15076-0050, 15076-1000
Synonyms: Cyclopentadiene dimer; 3a,4,7,7a-Tetrahydro-4,7-methanoindene; DCPD

Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaalana 3a
2440 Geel, Belgium

Company Identification: (USA)
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS# Chemical Name: % EINECS#
77-73-6 Dicyclopentadiene, stabilized 95% 201-052-9

Hazard Symbols: XN F N

Risk Phrases: 11 20/22 36/37/38 51/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Highly flammable. Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Potential Health Effects
Eye: Causes eye irritation.
Skin: Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.
Inhalation: Harmful if inhaled. Causes respiratory tract irritation.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Flammable liquid and vapor.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool.

Section 7 - Handling and Storage

Handling: Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.
Exposure Limits

CAS# 77-73-6:
United Kingdom, WEL - TWA: 5 ppm TWA; 27 mg/m3 TWA
United Kingdom, WEL - STEL: 15 ppm STEL; 81 mg/m3 STEL
Belgium - TWA: 5 ppm VLE; 27 mg/m3 VLE
France - VME: 5 ppm VME; 30 mg/m3 VME
Germany: 0.5 ppm TWA; 2.7 mg/m3 TWA
Malaysia: 5 ppm TWA; 27 mg/m3 TWA
Netherlands: 0.5 ppm MAC; 3 mg/m3 MAC

Personal Protective Equipment
Eyes: Wear chemical splash goggles.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: almost colorless
Odor: Not available
pH: Not available
Vapor Pressure: Not available
Viscosity: Not available
Boiling Point: 170 deg C @760mmHg (338.00°F)
Freezing/Melting Point: 11 - 13 deg C
Autoignition Temperature: 503 deg C (937.40 deg F)
Flash Point: 26 deg C (78.80 deg F)
Explosion Limits: Lower: 0.8 Vol %
Explosion Limits: Upper: 6.3 Vol %
Decomposition Temperature: Not available
Solubility in water: immiscible
Specific Gravity/Density: 0.982
Molecular Formula: C10H12
Molecular Weight: 132.2

Section 10 - Stability and Reactivity
Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, ignition sources.
Incompatibilities with Other Materials: Strong oxidizing agents, strong acids, strong bases.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 77-73-6: PC1050000

RTECS:

CAS# 77-73-6: Draize test, rabbit, skin: 20 mg/24H Moderate;
Inhalation, mouse: LC50 = 145 ppm/4H;
Inhalation, mouse: LC50 = 400 mg/m3/2H;
Inhalation, rabbit: LC50 = 771 ppm/4H;
Inhalation, rabbit: LC50 = 4200 mg/m3;
Inhalation, rat: LC50 = 660 ppm/4H;
Inhalation, rat: LC50 = 610 mg/m3/4H;

LD50/LC50:
Oral, mouse: LD50 = 190 mg/kg;
Oral, rat: LD50 = 353 mg/kg;
Oral, rat: LD50 = 520 mg/kg;
Oral, rat: LD50 = 370 mg/kg;
Skin, rabbit: LD50 = 5080 mg/kg;
Skin, rabbit: LD50 = 5.08 mL/kg;

Dicyclopentadiene, stabilized - Not listed as a carcinogen by ACGIH,
Carcinogenicity: IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information. The toxicological
properties have not been fully investigated.

Section 12 - Ecological Information

Other: Dangerous to aquatic life in high concentrations.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

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Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN F N

Risk Phrases:

R 11 Highly flammable.
R 20/22 Harmful by inhalation and if swallowed.
R 36/37/38 Irritating to eyes, respiratory system and skin.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 36/37 Wear suitable protective clothing and gloves.
S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 77-73-6: 2

Canada

CAS# 77-73-6 is listed on Canada's DSL List

US Federal

TSCA

CAS# 77-73-6 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/16/1996
Revision #1 Date 5/12/2004
Revisions were made in Sections: General revision.

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