Material Safety Data Sheet
Aniline hydrogen phthalate, 99%

ACC# 74793

Section 1 - Chemical Product and Company Identification

MSDS Name: Aniline hydrogen phthalate, 99%
Catalog Numbers: AC401190000, AC401190050, AC401190250
Synonyms: 1,2-Benzenedicarboxylic acid, compd. with benzenamine (1:1); Benzenamine, 1,2-benzenedicarboxylate (1:1); Aniline hydrogen phthalate; Aniline phthalate.None
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
50930-79-5	Aniline hydrogen phthalate	99	256-856-2

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: almost white crystalline powder.
Warning! Possible risks of irreversible effects. Harmful if swallowed, inhaled, or absorbed through the skin. Causes eye and skin irritation. May cause respiratory tract irritation. Dangerous for the environment. The toxicological properties of this material have not been fully investigated.
Target Organs: Liver, bladder, ureter.

Potential Health Effects
Eye: Causes severe eye irritation.
Skin: Causes moderate skin irritation. Harmful if absorbed through the skin.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.
Inhalation: Harmful if inhaled. May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.
Chronic: Adverse reproductive effects have been reported in animals. Laboratory experiments have resulted in mutagenic effects. May cause cyanosis - a blue-gray coloring of the skin and lips caused by a lack of oxygen. Animal studies have reported the development of tumors.

Section 4 - First Aid Measures

Eyes: Immediately 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. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.
Notes to Physician: Treat symptomatically and supportively.

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. Water runoff can cause environmental damage. Dike and collect water used to fight fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.
Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire.
Flash Point: Not applicable.
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 2; Flammability: 1; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.
Storage: Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Aniline hydrogen phthalate	none listed	none listed	none listed

OSHA Vacated PELs: Aniline hydrogen phthalate: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder
Appearance: almost white
Odor: Odorless
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: Not available.
Freezing/Melting Point:155 deg C
Decomposition Temperature: Not available.
Solubility: moderately soluble
Specific Gravity/Density: Not available.
Molecular Formula:C14H13NO4
Molecular Weight:259.26

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Dust generation, excess heat.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported

Section 11 - Toxicological Information

RTECS#:
CAS# 50930-79-5 unlisted.
LD50/LC50:
Not available.
CAS#: 62-53-3 Oral, rat: LD50 = 250 mg/kg. Dermal, rat: LD50 = 820 ul/kg.; Oral, child TDLo = 3125 mg/kg.; Unreported, man: 350 mg/kg. The toxicity of this product is based on the hazards associated with Aniline (CAS# 52-53-3).
Carcinogenicity:
CAS# 50930-79-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information available.
Teratogenicity: Oral, rat: TDLo = 11 gm/kg/29W-C (kidney, ureter, bladder - tumors).; Oral, rat: TD = 72800 mg/kg/2Y-C (blood - tumors).
Reproductive Effects: Effects on Newborn: Oral, mouse: TDLo = 4480 mg/kg (female 6-13 days post-conception).

Mutagenicity: DNA damage: intraperitoneal, rat: = 105 mg/kg.; Sister chromatid exchange: rat liver = 200 umol/L.; Morphological transformation: mouse fibroblast = 8 ugL.; Mutation in mammalian somatic cells: hamster lung = 500 ugL.; Cytogenetic analysis: hamster ovary = 444 mg/L.; Sister chromatid exchange: hamster ovary = 50 mg/L.
Neurotoxicity: No information available.
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Fathead Minnow: 134 mg/L; 48Hr; LC50Daphnia: Water Flea: 0.10 mg/L; 48Hr; LC50Daphnia: Water Flea: 0.65 mg/L; 48Hr; LC50Daphnia: Water Flea: 0.68 mg/L; 48Hr; LC50Daphnia: Water Flea: 0.5 mg/L; 48Hr; LC50 Estimated Log BCF values for three fish species = 0.78, <1.02, 5. These values suggest that Aniline does not bioconcentrate in fish. Estimated Log BCF value for algae = 0.06. Estimate Koc for colloidal organic carbon from groundwater = 3900. This value indicates that aniline effectively increases solubility and leaching into groundwater.
Environmental: No information available.
Physical: No information available.
Other: No information available.

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 listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	DOT regulated - small quantity provisions apply (see 49CFR173.4)	No information available.
Hazard Class:		
UN Number:		
Packing Group:		

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 50930-79-5 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
Section 313 No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 50930-79-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols:
T N
Risk Phrases:
R 20/21/22 Harmful by inhalation, in contact with skin and if

swallowed.
R 40 Limited evidence of a carcinogenic effect.
R 50 Very toxic to aquatic organisms.
R 48/23/24/25 Toxic : danger of serious damage to health by prolonged exposure through inhalation, contact with skin and if swallowed.

Safety Phrases:

S 36/37 Wear suitable protective clothing and gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 28A After contact with skin, wash immediately with plenty of water .
S 61 Avoid release to the environment. Refer to special instructions /safety data sheets.

WGK (Water Danger/Protection)

CAS# 50930-79-5: No information available.

Canada - DSL/NDSL

CAS# 50930-79-5 is listed on Canada's NDSL List.

Canada - WHMIS

This product has a WHMIS classification of D1B, D2A.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

Section 16 - Additional Information

MSDS Creation Date: 2/10/1999
Revision #4 Date: 10/03/2005