

**Section 1 - Chemical Product and Company Identification**

**MSDS Name:** 3-Chloro-p-anisidine  
**Catalog Numbers:** AC365250000, AC365250500, AC365252500, NRB03411DA, NRB03411EA, NRB03411EE, NRB03411ZZ  
**Synonyms:** 3-Chloro-4-methoxyaniline  
**Company Identification:** Acros Organics BVBA  
Janssen Pharmaceuticaaan 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**

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**CAS#:** 5345-54-0  
**Chemical Name:** 3-Chloro-p-anisidine  
**%:** 97%  
**EINECS#:** 226-298-4  
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**Hazard Symbols:** XN



**Risk Phrases:** 22

**Section 3 - Hazards Identification**

**EMERGENCY OVERVIEW**

Not available Target Organs: Gastrointestinal system.

**Potential Health Effects**

**Eye:** Causes mild eye irritation.  
**Skin:** Causes mild skin irritation. May be harmful if absorbed through the skin. Absorbed through the skin.  
**Ingestion:** Harmful if swallowed. May cause irritation of the digestive tract.  
**Inhalation:** May cause respiratory tract irritation. May be harmful if inhaled.  
**Chronic:**

**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.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

**Autoignition:** Not available

**Temperature:**

**Flash Point:** > 110 deg C (> 230.00 deg F)

**Explosion Limits:** Not available

**Lower:**

**Explosion Limits:** Not available

**Upper:**

**NFPA Rating:** Not published

**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.

**Section 7 - Handling and Storage**

**Handling:** Avoid breathing dust, mist, or vapor. Avoid contact with skin and eyes.

**Storage:** Store in a cool, dry place. Store in a tightly closed container.

**Section 8 - Exposure Controls, Personal Protection**

**Engineering Controls:**

Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits** +-----+-----

Chemical Name	ACGIH	NIOSH	OSHA -
Final PELs			
3-Chloro-p-anisidin listed	none listed	none listed	none listed

OSHA Vacated PELs: 3-Chloro-p-anisidine: None listed

**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:** Solid  
**Color:** off-white - light brown  
**Odor:** Not available  
**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:** 60 - 65 deg C  
**Decomposition Temperature:** Not available  
**Solubility in water:** Not available  
**Specific Gravity/Density:**  
**Molecular Formula:** C7H8ClNO  
**Molecular Weight:** 157.6

#### Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** Incompatible materials.  
**Incompatibilities with Other Materials:** Not available  
**Hazardous Decomposition Products:** Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.  
**Hazardous Polymerization:** Will not occur.

#### Section 11 - Toxicological Information

**RTECS#:** CAS# 5345-54-0: BZ6260000  
**LD50/LC50:** RTECS:  
**CAS# 5345-54-0:** Draize test, rabbit, eye: 100 mg Mild;  
Draize test, rabbit, skin: 500 mg/24H Mild;  
Oral, mouse: LD50 = 650 mg/kg;  
Oral, rat: LD50 = 550 mg/kg;  
**Carcinogenicity:** 3-Chloro-p-anisidine - Not listed as a carcinogen by ACGIH, 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

Not available

#### Section 13 - Disposal Considerations

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

#### Section 14 - Transport Information

US DOT  
Shipping Name: Not regulated as a hazardous material  
Hazard Class:  
UN Number:  
Packing Group:  
Canada TDG  
Shipping Name: Not available  
Hazard Class:  
UN Number:

Packing Group:

## Section 15 - Regulatory Information

### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 5345-54-0: Not available

Canada

Canadian WHMIS Classifications: D1B

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.

CAS# 5345-54-0 is not listed on Canada's Ingredient Disclosure List.

### US Federal

TSCA

CAS# 5345-54-0 is not listed on the TSCA Inventory. It is for research and development use only.

## Section 16 - Other Information

**MSDS Creation Date:** 3/24/2006

**Revision #0 Date** Original.

**Revisions were made in Sections:** General revision.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability 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 company has been advised of the possibility of such damages.