

# SAFETY DATA SHEET

**Preparation Date:** No data available

**Revision Date:** 05/13/2015

**Revision Number:** G1

**Product identifier**

**Product code:** A1295  
**Product Name:** ANILINE, REAGENT, ACS

**Other means of identification**

**Synonyms:** Aminobenzene; Benzenamine; Aminophen  
**CAS #:** 62-53-3  
**RTECS #** BW6650000  
**CI#:** Not available

**Recommended use of the chemical and restrictions on use**

**Recommended use:** No information available.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemicals and Laboratory Products, Inc.  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>

**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Martin LaBenz (West Coast)  
**Contact Person:** Ibad Tirmiz (East Coast)

## 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Gases)	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 3
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Flammable liquids	Category 4

**Label elements**

## Danger

### Hazard statements

Toxic if swallowed  
Toxic in contact with skin  
Toxic if inhaled  
Causes serious eye damage  
May cause an allergic skin reaction  
Suspected of causing genetic defects  
Suspected of causing cancer  
Causes damage to organs through prolonged or repeated exposure  
Combustible liquid



### Hazards not otherwise classified (HNOC)

Not Applicable

### Other hazards

Very toxic to aquatic life with long lasting effects  
Very toxic to aquatic life

### Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves/protective clothing/eye protection/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Keep cool

### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
Specific treatment (see .? on this label)  
Specific treatment (see .? on this label)  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse

Call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Rinse mouth

#### Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %	Trade Secret
Aniline 62-53-3	62-53-3	100	*

### 4. FIRST AID MEASURES

#### First aid measures

##### General Advice:

Poison information centers in each State capital city can provide additional assistance for scheduled poisons (13 1126)

##### Skin Contact:

Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical attention is required. Call a physician or Poison Control Centre immediately. Toxic in contact with skin.

##### Eye Contact:

Flush eye with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.

##### Inhalation:

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.

##### Ingestion:

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required. Toxic if swallowed.

#### Most important symptoms and effects, both acute and delayed

##### Symptoms

Toxic by inhalation, in contact with skin and if swallowed. Causes serious eye irritation. Causes eye damage. May cause allergic skin reaction. Suspected of causing cancer. Suspected of causing genetic defects.

#### Indication of any immediate medical attention and special treatment needed

##### Notes to Physician:

Treat symptomatically

#### Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media:

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray mist or foam.

**Unsuitable Extinguishing Media:**

Do not use a solid (straight) water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

**Hazardous Combustion Products:**

Carbon Oxides; Nitrogen Oxides

**Specific hazards:**

Combustible material  
May be ignited by heat, sparks or flames  
Containers may explode when heated  
Ignites on contact with sodium peroxide + water.  
Aniline ignites spontaneously in presence of red fuming nitric acid.  
Sodium peroxide or potassium peroxide is spontaneously flammable with aniline.  
When heated to decomposition it emits toxic fumes.  
Spontaneously explosive reactions occur with benzenediazonium -2-carboxylate, dibenzoyl peroxide, fluorine nitrate, nitrosyl perchlorate, red fuming nitric acid, peroxodisulfuric acid, and tetranitromethane.  
Addition of a drop of aniline to 1 gram of dibenzoyl peroxide leads to mildly explosive decomposition after a short delay.  
Addition of aniline to nitromethane renders it susceptible to initiation by a detonator.  
Aniline reacts with perchloric acid, and then formaldehyde to produce explosive and combustible condensed resin

**Special Protective Actions for Firefighters**

**Specific Methods:**

Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out. Dike fire-control water for later disposal; do not scatter the material.

**Special Protective Equipment for Firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions:** Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Neutralize the residue with a dilute solution of acetic acid. Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

#### **Safe Handling Advice:**

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

#### **Technical Measures/Storage Conditions:**

Air sensitive. Sensitive to light. Store in light-resistant containers. Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store in a segregated and approved area. Store away from incompatible materials.

#### **Incompatible Materials:**

Acids. Bases. Metals. Oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **National occupational exposure limits**

##### **United States**

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
Aniline - 62-53-3	5 ppm TWA 19 mg/m <sup>3</sup> TWA	None	= 2 ppm TWA	None

##### **Canada**

Components	Alberta	British Columbia	Ontario	Quebec
Aniline - 62-53-3	= 2 ppm TWA = 7.6 mg/m <sup>3</sup> TWA	= 2 ppm TWA	2 ppm TWA	2 ppm TWAEV 7.6 mg/m <sup>3</sup> TWAEV

## Australia and Mexico

Components	Australia	Mexico
Aniline 62-53-3	7.6 mg/m <sup>3</sup> TWA 2 ppm TWA	= 10 mg/m <sup>3</sup> TWA = 2 ppm TWA

### Appropriate engineering controls

**Engineering measures to reduce exposure:** Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

### Individual protection measures, such as personal protective equipment

#### Personal Protective Equipment

- Eye protection:** Goggles.
- Skin and body protection:** Chemical resistant apron. Long sleeved clothing. Gloves.
- Respiratory protection:** Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
- Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Liquid	<b>Appearance:</b> Oily.	<b>Color:</b> Colorless.
<b>Odor:</b> Aromatic. Amine-like.	<b>Taste</b> Burning.	<b>Molecular/Formula weight:</b> 93.13
<b>Formula:</b> C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub>	<b>Flash point (°C):</b> No data available	<b>Flashpoint (°C/°F):</b> 70°C/158°F
<b>Flash Point Tested according to:</b> Closed cup	<b>Lower Explosion Limit (%):</b> 1.3	<b>Upper Explosion Limit (%):</b> 23
<b>Autoignition Temperature (°C/°F):</b> 615°C/1139°F	<b>pH:</b> Basic	<b>Melting point/range(°C/°F):</b> -6°C/21.2°F
<b>Boiling point/range(°C/°F):</b> 184.1°C/363.4°F	<b>Decomposition temperature(°C/°F):</b> No information available	<b>Bulk density:</b> No information available
<b>Specific gravity:</b> 1.0216	<b>Vapor pressure @ 20°C (kPa):</b> 0.1	<b>Density (g/cm<sup>3</sup>):</b> No information available
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> 3.22	<b>VOC content (g/L):</b> No information available
<b>Odor threshold (ppm):</b> 2.4	<b>Partition coefficient (n-octanol/water):</b> 0.9	<b>Viscosity:</b> No information available
<b>Miscibility:</b> Miscible in diethyl ether, acetone. Miscible with chloroform and other organic solvents. Miscible with lipids (vegetable oils, essential oils), dilute hydrochloric acid	<b>Solubility:</b> Partially soluble in cold water, hot water. Solubility in Benzene: >10% Solubility in Ethyl Ether: >10% Solubility in Ethyl alcohol: >10% Solubility in Petroleum Ether: >10% Solubility in Water: 3.5 parts/100 parts (36,000 mg/l or 1 g/28.6 ml) water @ 25°C; 6.4 parts/100 parts water @ 90°C.; 1 g/15.7 ml boiling water	

## 10. STABILITY AND REACTIVITY

### Reactivity

Air and light sensitive. May darken on exposure to light or air.

Incompatible with strong oxidizing agents, strong acids, bases, aluminum, fluorine, formaldehyde, iron, nitric acid, silver perchlorate, sodium peroxide, sulfuric acid, zinc, hydrogen peroxide, benzenediazonium-2-carboxylate, boron trichloride, tetranitromethane, trichloronitromethane, diisopropyl peroxydicarbonate, hexachloromelamine, peroxomonosulfuric acid, albumin, iron salts, perchloric acid, nitrobenzene, alkalis, potassium peroxide, glycerine, fuming nitric acid, peroxydisulfuric acid, N-chloro compounds, N-bromides (e.g. n-bromosuccinimide), nitrosyl fluoride, toluene diisocyanate, performic acid.

Formaldehyde + aniline reacts violently with 90% performic acid, acetic anhydride.

Aniline + trichloronitromethane can produce a violent reaction.

Aniline can react vigorously with oxidizing materials.

Violent reactions can occur with peroxyformic acid, diisopropyl peroxydicarbonate, fluorine, trichloronitromethane, chlorosulfonic acid, peroxydisulfuric acid, FO<sub>3</sub>Cl, nitric acid + N<sub>2</sub>O<sub>4</sub> + sulfuric acid, b-propiolactone, AgClO<sub>4</sub>

### Chemical stability

#### Stability:

Sensitive to light. Exposure to light accelerates decomposition. Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Ignition sources. Incompatible materials. Exposure to light.

**Incompatible Materials:** Acids. Bases. Metals. Oxidizing agents.

**Hazardous decomposition products:** Carbon oxides. Nitrogen oxides (NOx).

#### Other Information

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
Eyes. Ingestion. Inhalation. Skin.

### Acute Toxicity

#### Component Information

*Aniline - 62-53-3*

**LD50/oral/rat** = 250 mg/kg Oral LD50 Rat

**LD50/oral/mouse** = 464 mg/kg Oral LD50 Mouse

**LD50/dermal/rat** = 1400 mg/kg Dermal LD50 Rat

**LD50/dermal/rabbit** = 820 µL/kg Dermal LD50 Rabbit

**LC50/inhalation/rat** = 250 ppm/1H Inhalation LC50 Rat

**LC50/inhalation/mouse** = 175 ppm/7H Inhalation LC50 Mouse

**Other LD50 or LC50 information** = No information available

#### Product Information

**LD50/oral/rat** =

**VALUE- Acute Tox Oral** = 250mg/kg

**LD50/oral/mouse** =

**Value - Acute Tox Oral** = 464mg/kg

**LD50/dermal/rabbit**

**VALUE-Acute Tox Dermal** = 820µL/kg

**LD50/dermal/rat**

**VALUE -Acute Tox Dermal** = 1400mg/kg

**LC50/inhalation/rat**

**VALUE-Vapor** = 250ppm (1-hr)

**VALUE-Gas** = No information available

**VALUE-Dust/Mist** = No information available

**LC50/Inhalation/mouse**

**VALUE-Vapor** = 175 ppm (7-hr)

**VALUE - Gas** = No information available

**VALUE - Dust/Mist** = No information available

### Symptoms

**Product code:** A1295

**Product name:** ANILINE, REAGENT,  
ACS

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**Skin Contact:** Toxic in contact with skin. May cause allergic skin reaction. Causes skin irritation and may cause burning sensation, prickling, itching, or tingling (paresthesias). It can be absorbed through the skin.

**Eye Contact:** Causes severe eye irritation and possible burns. May cause corneal damage.

**Inhalation Ingestion** Toxic by inhalation. Causes respiratory tract irritation with possible chemical burns. Toxic if swallowed. Causes gastrointestinal (digestive) tract irritation with nausea, vomiting, diarrhea, and possible burns. May cause perforation of the digestive tract. May affect behavior/central nervous system (somnolence, muscle contraction or spasticity and other symptoms similar to inhalation), respiration (dyspnea). It may also affect the liver (acute liver damage). Exposure from skin absorption, inhalation and ingestion may cause methemoglobinemia. It is characterized by nausea, vomiting, dyspnea (difficulty breathing), central nervous system depression and nervous system effects (headache, confusion, faintness, dizziness, disorientation, weakness, loss of coordination, lethargy, fatigue, tremor, spasticity, convulsions, loss of consciousness, coma), muscle pain, cardiac arrhythmias, heart block. Cyanosis may also occur after exposure to aniline. The lips, tongue, and mucous membranes may turn navy blue to black and the skin slate gray. Death may occur due respiratory paralysis or cardiovascular collapse. A Heinz-body hemolytic crisis may follow the development of Methemoglobinemia. Heart, kidney and liver damage with jaundice may be secondary to hemolysis. Urinary signs and symptoms may include painful micturition, hemoglobinuria, methemoglobinuria, hematuria, oliguria, and renal insufficiency.

**Aspiration hazard** No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic Toxicity** Skin: It may cause dermatitis, an allergic reaction, with or without skin lesions. Toxic effects with chronic exposure may resemble those of acute exposure. Additional signs and symptoms of exposure (usually chronic exposure) by inhalation, and ingestion and skin absorption may include visual disturbances, photophobia, sluggish pupillary reaction, brown discoloration of conjunctiva and cornea, and anorexia. The spleen and bladder may also be affected.

**Sensitization:** May cause sensitization by skin contact

**Mutagenic Effects:** Experiments with bacteria and/or yeast have shown mutagenic effects  
May affect genetic material  
Mutagenic effects in mammalian somatic cells

**Carcinogenic effects:** Not classifiable as to its carcinogenicity to humans.

Components	ACGIH - Carcinogens	IARC	NTP	OSHA HCS - Carcinogens	Australia - Prohibited Carcinogenic Substances	Australia - Notifiable Carcinogenic Substances
Aniline	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	Group 3 (not classifiable) - Supplement 7 [1987] Monograph 27 [1982]	Not listed	Not listed	Not listed	Not listed

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 3 - Not classifiable as to its carcinogenicity to humans

**Reproductive toxicity** No data is available

**Reproductive Effects:** May cause adverse reproductive effects. Expected to cross the placenta.  
**Developmental Effects:** No information available  
**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure** No information available  
**STOT - repeated exposure** Causes damage to organs through prolonged or repeated exposure.  
**Target Organs:** Bladder. Blood. Cardiovascular system. Central nervous system. Kidneys. Liver. Spleen.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity effects:** No data available.

*Aniline - 62-53-3*

**Freshwater Fish Species Data:** 101-131 mg/L LC50 Poecilia reticulata 96 h 1  
40.7-59.1 mg/L LC50 Lepomis macrochirus 96 h flow-through 1  
7.4-15.3 mg/L LC50 Oncorhynchus mykiss 96 h flow-through 1  
12.6-108 mg/L LC50 Oryzias latipes 96 h flow-through 1  
68.4-83.4 mg/L LC50 Pimephales promelas 96 h flow-through 1

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available

**Mobility:** No information available

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

**Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal

Components	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Aniline	None	None	None	U012 Ignitable waste, Toxic waste

**14. TRANSPORT INFORMATION**

**DOT**

**UN-No:** UN1547  
**Proper Shipping Name:** Aniline

**Product code:** A1295

**Product name:** ANILINE, REAGENT,  
ACS

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## 14. TRANSPORT INFORMATION

**Hazard Class:** 6.1  
**Subsidiary Risk:**  
**Packing Group:** II  
**ERG No:** 153  
**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available  
**Symbol(s):** +, R5

### TDG (Canada)

**UN-No:** UN1547  
**Proper Shipping Name:** Aniline  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** No information available

### ADR

**UN-No:** UN1547  
**Proper Shipping Name:** Aniline  
**Hazard Class:** 6.1  
**Packing Group:** II  
**Subsidiary Risk:** No information available  
**Classification Code:** No information available  
**Description:** No information available  
**CEFIC Tremcard No:** No information available

### IMO / IMDG

**UN-No:** UN1547  
**Proper Shipping Name:** Aniline  
**Hazard Class:** 6.1  
**Subsidiary Risk:** P  
**Packing Group:** II  
**Description:** No information available  
**IMDG Page:** No information available  
**Marine Pollutant** No information available  
**EMS:** F-A  
**MFAG:** No information available  
**Maximum Quantity:** No information available

### RID

**UN-No:** UN1547  
**Proper Shipping Name:** Aniline  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Classification Code:** No information available  
**Description:** No information available

### ICAO

**UN-No:** UN1547  
**Proper Shipping Name:** Aniline  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** No information available

## 14. TRANSPORT INFORMATION

### IATA

**UN-No:** UN1547  
**Proper Shipping Name:** Aniline  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**ERG Code:** 6L  
**Description:** No information available

## 15. REGULATORY INFORMATION

### International Inventories

Components	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Aniline	Present	Present KE-01180	Present	Present (3)-105	Present	Present	Present 200-539-3

### U.S. Regulations

#### Aniline

**Massachusetts RTK:** Present  
**New Jersey RTK Hazardous Substance List:** 0135  
**New Jersey (EHS) List:** 0135 500 lb TPQ  
**New Jersey - Discharge Prevention - List of Hazardous Substances:** Present  
**Pennsylvania RTK:** Environmental hazard  
**Pennsylvania RTK - Environmental Hazard List:** Present  
**Pennsylvania RTK - Special Hazardous Substances:** Present  
**RI RTK - Hazardous Substances List:** Present  
**Minnesota - Hazardous Substance List:** Present  
**New York Release Reporting - List of Hazardous Substances:**  
 = 1 lb RQ  
**Louisiana Reportable Quantity List for Pollutants:** Listed  
**California Directors List of Hazardous Substances:** Present

### California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

#### Chemicals Known to the State of California to Cause Cancer:

WARNING: This product contains a chemical known to the State of California to cause cancer. (See table below)

#### Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Aniline	carcinogen	Not Listed	Not Listed	Not Listed

### CERCLA/SARA

Components	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting <i>de minimis</i>
Aniline	= 2270 kg final RQ	1000 lb TPQ 5000	None	None	1.0 % de minimis concentration

### U.S. TSCA

Components	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Aniline	Not Applicable	Effective 10/4/82, Sunset 10/4/92

## Canada

### WHMIS hazard class:

B3 Combustible liquid  
D1A Very toxic materials  
D2B Toxic materials

### Aniline

B3 D1A D2B

### Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Aniline	1 %

## Inventory

Components	Canada (DSL)	Canada (NDSL)
Aniline	Present	Not Listed

Components	CEPA Schedule I - Toxic Substances	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Aniline	Not listed	Not listed

## EU Classification

### R-phrase(s)

R41 - Risk of serious damage to eyes.  
R40 - Limited evidence of a carcinogenic effect  
R50 - Very toxic to aquatic organisms.  
R43 - May cause sensitization by skin contact.  
R68 - Possible risk of irreversible effects.  
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.  
R48/23/24/25 - Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

### S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S27 - Take off immediately all contaminated clothing.  
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S46 - If swallowed, seek medical advice immediately and show this container or label.  
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.  
S63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest.  
S 1/2 - Keep locked up and out of the reach of children.  
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Components	Classification	Concentration Limits:	Safety Phrases
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Aniline	T; R23/24/25-48/23/24/25 Carc.Cat.3; R40 Xi; R41 R43 N; R50 Muta.Cat.3; R68	25%≤C: T,N; R23/24/25-40-41-43-48/23/24/25-50-68 10%≤C<25%: T; R20/21/22-40-41-43-48/23/24/25-68 1%≤C<10%: T; R20/21/22-40-43-48/23/24/25-68 0.2%≤C<1%: Xn; R48/20/21/22	S1/2 S26 S27 S36/37/39 S45 S46 S61 S63
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The product is classified in accordance with Annex VI to Directive 67/548/EEC

**Indication of danger:**

T - Toxic  
Xi - Irritant.



**16. OTHER INFORMATION**

**Revision Date:** 05/13/2015  
**Prepared by:** Sonia Owen

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**