

SAFETY DATA SHEET

M49036 - ANSI - EN



INDSPEC Chemical Corporation

A subsidiary of Occidental Petroleum Corporation

ULTI-PRO® 100 Processing Aid

SDS No.: M49036

SDS Revision Date: 08-May-2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification:	INDSPEC Chemical Corporation Subsidiary of Occidental Petroleum Corporation 5005 LBJ Freeway P.O. Box 809050 Dallas, Texas 75380-9050
Manufacturing Address:	INDSPEC Chemical Corporation Subsidiary of Occidental Petroleum Corporation 133 Main Street Petrolia, Pennsylvania 16050 USA Information: (+1) 412-826-3666
24 Hour Emergency Telephone Number:	1-800-733-3665 or 1-972-404-3228 (U.S.); CHEMTREC (U.S.): 1-800-424-9300; CHEMTREC Contract No: CCN16186; CANUTEC (Canada): 1-613-996-6666 MEDICAL EMERGENCIES: 1-800-456-7566
To Request an SDS:	MSDS@oxy.com or 1-972-404-3245
Customer Service:	1-800-221-6514 or 1-972-404-3700
Product Identifier:	ULTI-PRO® 100 Processing Aid
Synonyms:	m-anilinophenol, 3-phenylaminophenol, m-hydroxydiphenylamine, 3-hydroxy-N-phenylaniline
Product Use:	Rubber reinforcement
Uses Advised Against:	None identified.
Chemical Family:	Amine

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2. HAZARDS IDENTIFICATION

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EMERGENCY OVERVIEW:

Color: Dark purple
Physical State: Solid
Odor: Odorless
Signal Word: **DANGER**

MAJOR HEALTH HAZARDS: CAUSES SERIOUS EYE DAMAGE. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES MILD SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE DROWSINESS OR DIZZINESS.

AQUATIC TOXICITY: TOXIC TO AQUATIC LIFE.

PRECAUTIONARY STATEMENTS: Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing dust or fume. Avoid contact with skin and eyes. Wear protective gloves, protective clothing, eye, and face protection as appropriate. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.

ADDITIONAL HAZARD INFORMATION: Not for use or storage in or around home. Good hygiene and safety practices should be used when handling and working with this material. Good hygiene practices include but are not limited to: wearing suitable gloves and/or eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

GHS CLASSIFICATION:

GHS: CONTACT HAZARD - SKIN:	Category 3 - Causes mild skin irritation. Not classified as a skin irritant per OSHA-GHS criteria.
GHS: CONTACT HAZARD - EYE:	Category 1 - Causes serious eye damage
GHS: SENSITIZATION HAZARD:	Skin Sensitizer Category 1 - May cause an allergic skin reaction
GHS: ACUTE TOXICITY - ORAL:	Not classified as acutely toxic by oral exposure per OSHA-GHS criteria.
GHS: ACUTE TOXICITY - DERMAL:	Not classified as acutely toxic by dermal exposure per OSHA-GHS criteria.
GHS: TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	Category 3 - May cause drowsiness or dizziness

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GHS: CARCINOGENICITY:	Not classified as a carcinogen per GHS criteria. This product is not classified as a carcinogen by NTP, IARC, or OSHA.
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UNKNOWN ACUTE TOXICITY: Listed below.**Unknown Acute Inhalation Toxicity:**

There is no acute inhalation toxicity data available for this material. 100% of this product consists of ingredient(s) of unknown acute inhalation toxicity.

GHS SYMBOL: Corrosion, Exclamation mark**GHS SIGNAL WORD:** **DANGER****GHS HAZARD STATEMENTS:****GHS - Health Hazard Statement(s)**

May be harmful in contact with skin
Causes mild skin irritation
Causes serious eye damage
May cause drowsiness or dizziness
May cause an allergic skin reaction

GHS - Precautionary Statement(s) - Prevention

Avoid breathing dust, fume
Use only outdoors or in a well-ventilated area
Wear eye protection, face protection, protective gloves, protective clothing
Wash thoroughly after handling
Contaminated work clothing should not be allowed out of the workplace
Avoid release to the environment

GHS - Precautionary Statement(s) - Response

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 water
If skin irritation or rash occurs: Get medical advice/attention
Specific treatment (see First Aid information on product label and/or Section 4 of the SDS)
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
Collect spillage

GHS - Precautionary Statement(s) - Storage

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

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GHS - Precautionary Statement(s) - Disposal

Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

Hazards Not Otherwise Classified (HNOC)

None Known

See Section 11: TOXICOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: m-anilinophenol, 3-phenylaminophenol, m-hydroxydiphenylamine, 3-hydroxy-N-phenylaniline

Component	Percent [%]	CAS Number
3-hydroxy-N-phenylaniline	87 - 94	101-18-8
Sodium p-toluenesulfonate	1 - 4	657-84-1
Resorcinol	1 - 4	108-46-3
N,N'-diphenyl-1,3-benzenediamine	2 - 5	5905-36-2
Diphenylamine	0 - 1	122-39-4
Aniline	0 - 0.5	62-53-3

4. FIRST AID MEASURES

INHALATION: If inhaled and adverse effects occur, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

SKIN CONTACT: If on skin, wash with plenty of water. If irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse. SPECIFIC TREATMENT: Flush affected area with plenty of water. Treat symptomatically.

EYE CONTACT: If in eyes, immediately rinse eyes cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately contact a poison center, physician, or get medical attention.

INGESTION: If swallowed, rinse mouth. Contact a Poison Center, or a doctor/physician, or get medical attention if you feel unwell.

Most Important Symptoms/Effects (Acute and Delayed) ..

Acute Symptoms/Effects: Listed below.

Inhalation (Breathing): Inhalation of this material may cause narcotic effects such as drowsiness or dizziness.

Skin: Skin contact may cause redness, or mild skin irritation. Effects may be more serious with repeated or prolonged contact. Intermittent and long term skin contact may cause the skin to develop a rash. This material is not significantly absorbed across the skin.

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Eye: Serious Eye Damage: Corrosive. Eye contact may cause serious eye irritation, with tearing, redness, or a stinging or burning feeling. May cause conjunctival redness and edema, and eyelid redness and edema. Edema may lead to blurred vision. May cause corneal damage.

Ingestion (Swallowing): Ingestion is not a likely route of exposure.

Delayed Symptoms/Effects:

- Repeated and prolonged skin contact may cause contact or allergic dermatitis

Interaction with Other Chemicals Which Enhance Toxicity: None known.

Medical Conditions Aggravated by Exposure: May aggravate preexisting conditions, such as: eye disorders that decrease tear production or have reduced integrity of the eye; skin disorders that compromise the integrity of the skin.

Protection of First-Aiders: Protect yourself by avoiding contact with this material. Avoid contact with skin and eyes. Do not breathe dust, fumes. Use personal protective equipment. Refer to Section 8 for specific personal protective equipment recommendations.

Notes to Physician: There is no antidote. Treat symptomatically. If allergic dermatitis develop, do not re-expose skin to compound.

5. FIRE-FIGHTING MEASURES

Fire Hazard: Negligible fire hazard.

Explosive properties: Dust (powder) may form explosive mixture in air.

Extinguishing Media: Use dry chemical, carbon dioxide, water spray/fog.

Fire Fighting: Solid or straight stream water may be ineffective. Use water spray or water fog. Wear complete fire service protective equipment, including full-face MSHA/NIOSH approved self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel. Avoid inhalation of material or combustion by-products.

Component	Immediately Dangerous to Life/ Health (IDLH)
Aniline 62-53-3	100 ppm IDLH

Hazardous Combustion Products: Oxides of carbon (Carbon monoxide, Carbon dioxide), Oxides of nitrogen

Sensitivity to Mechanical Impact: Not sensitive.

Sensitivity to Static Discharge: Not sensitive.

Lower Flammability Level (air): Not applicable

Upper Flammability Level (air): Not applicable

Flash point: >96 °C (>220 °F)

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Auto-ignition Temperature: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Keep unnecessary and unprotected personnel from entering the area. Stop leak if possible without personal risk. Stay upwind. Do not get in eyes. Do not breathe dust. Avoid contact with skin and clothing. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.

Methods and Materials for Containment and Cleaning Up:

Contain spill. Use methods to minimize generation of dust. Shovel back into original dry container or waste receptacle. Use vacuum or wet mop to clean up dust. Flush area with water. Contain runoff from fire control and dilution water.

Environmental Precautions:

Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate regulatory agencies.

7. HANDLING AND STORAGE

General: Not for use or storage in or around the home. Do not use until the manufacturer's precautions have been read/understood.

Precautions for Safe Handling:

Avoid prolonged or repeated breathing of dusts. Minimize generation of dust. Handle and use in accordance with OSHA 29 CFR 1910.106 local codes. Avoid contact with skin and eyes. Wash exposed skin thoroughly after contact and before eating, drinking, using tobacco products or restrooms. Observe good personal hygiene practices and recommended procedures. Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the SDS.

Safe Storage Conditions:

Keep container tightly closed and properly labeled. Store in a cool, well-ventilated area away from possible sources of ignition. Protect from physical damage. Keep containers closed when material is not in use. Keep away from food, drink and animal feed. Maintain good housekeeping. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

Incompatibilities/ Materials to Avoid:

Strong oxidizers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Regulatory Exposure Limit(s): Listed below for the product components that have regulatory occupational exposure limits (OEL's) established.

Component	OSHA Final PEL TWA	OSHA Final PEL STEL	OSHA Final PEL Ceiling
Aniline 62-53-3	5 ppm 19 mg/m ³	-----	-----

OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit

NON-REGULATORY EXPOSURE LIMIT(S): Listed below for the product components that have advisory (non-regulatory) occupational exposure limits (OEL's) established.

Component	CAS Number	ACGIH TWA	ACGIH STEL	ACGIH Ceiling	OSHA TWA (Vacated)	OSHA STEL (Vacated)	OSHA Ceiling (Vacated)
Resorcinol	108-46-3	10 ppm	20 ppm	-----	10 ppm 45 mg/m ³	20 ppm 90 mg/m ³	-----
Aniline	62-53-3	2 ppm	-----	-----	2 ppm 8 mg/m ³	-----	-----
Diphenylamine	122-39-4	10 mg/m ³	-----	-----	10 mg/m ³	-----	-----

- The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits, if shown, are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993).

- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.

Additional Advice: Good hygiene and safety practices should be used when handling and working with this material. Good hygiene practices include but are not limited to: wearing suitable gloves and/or eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

ENGINEERING CONTROLS: Provide sufficient general/local exhaust ventilation in pattern/volume to control inhalation exposures below applicable exposure limits and to keep area dust levels below explosive dust concentrations.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Wear safety glasses with side-shields. If eye contact is likely, wear chemical resistant safety goggles and/or face-shield when appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin and Body Protection: Wear protective clothing to minimize skin contact. In dusty areas, wear necessary resistant protective apparel, including necessary head, hand, and foot protection. Contaminated clothing should be removed and laundered before reuse.

Hand Protection: Wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

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Respiratory Protection: Not required under normal use conditions. A NIOSH/MSHA approved respirator with air purifying organic vapor cartridge/canister with particulate filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. The added protection of a full face-piece respirator is required when visible dusty conditions are encountered and eye irritation may occur. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

Component	Immediately Dangerous to Life/ Health (IDLH)
Aniline 62-53-3	100 ppm IDLH

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	Dark purple
Odor:	Odorless
Molecular Formula:	C ₁₂ H ₁₁ N-O
Chemical Family:	Amine
Boiling Point/Range:	340 °C (644 °F)
Freezing Point/Range:	Not applicable to solids.
Melting Point/Range:	80 °C (176 °F)
Vapor Pressure:	Not applicable
Vapor Density (air=1):	Not applicable
Relative Density/Specific Gravity (water=1):	1.24 @ 25 °C
Density:	No data available
Water Solubility:	<1%
pH:	9.3 apparent (50:50 acetone:water)
VOC Content (%):	No data available
Evaporation Rate (ether=1):	No data available
Partition Coefficient (n-octanol/water):	No data available
Flash point:	>96 °C (>220 °F)
Flammability (solid, gas):	No data available
Lower Flammability Level (air):	Not applicable
Upper Flammability Level (air):	Not applicable
Auto-ignition Temperature:	Not applicable
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal temperatures and pressures.

Chemical Stability: Stable at normal temperatures and pressures.

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Possibility of Hazardous Reactions:

Closed containers may explode or rupture when exposed to extreme heat (fire).

Conditions to Avoid:

(e.g., static discharge, shock, or vibration) -. None known.

Incompatibilities/ Materials to Avoid:

Strong oxidizers.

Hazardous Decomposition Products: Oxides of carbon (Carbon monoxide, Carbon dioxide), Oxides of nitrogen**Hazardous Polymerization:** Will not occur.**11. TOXICOLOGICAL INFORMATION****IRRITATION DATA:** As listed below**Standard Draize (Eye):** Score - 1 @ 24 hrs.; terminated after day 8**Standard Draize (Skin):** Score - 2 @ 24 hrs.; 2 @ 48 hrs.; 2 @ 72 hrs.; 1 @ 7 days; 1 @ 14 days**TOXICITY DATA:****PRODUCT TOXICITY DATA:** ULTI-PRO® 100 Processing Aid

LD50 Oral: >2010 mg/kg (Rat)	LD50 Dermal: >2010 mg/kg (Rabbit)	LC50 Inhalation: No data available
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COMPONENT TOXICITY DATA:**Note:** The component toxicity data is populated by the LOLI database and may differ from the product toxicity data given.

Component	LD50 Oral:	LD50 Dermal:	LC50 Inhalation:
Resorcinol 108-46-3	202 mg/kg (Rat)	3360 mg/kg (Rabbit)	21.3 mg/L (1 hr-Rat)
Diphenylamine 122-39-4	1120 mg/kg (Rat)	2000 mg/kg (Rabbit)	-----
Aniline 62-53-3	440 mg/kg (Rat)	442 mg/kg (Rat)	1 mg/L (4 hr-Rat) 1.82 mg/L (4 hr-Rat)

POTENTIAL HEALTH EFFECTS:

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Eye contact:	Corrosive. Eye contact may cause severe irritation, with tearing, redness, or a stinging or burning feeling. May cause conjunctival redness and edema, and eyelid redness and edema. Edema may lead to blurred vision. May cause corneal damage.
Skin contact:	Direct contact or contact with solid or dust may cause mild irritation and skin rash.
Inhalation:	May cause drowsiness or dizziness.
Ingestion:	Not a likely route of exposure. No known effects.
Chronic Effects:	Repeated and prolonged skin contact may cause contact or allergic dermatitis.

SIGNS AND SYMPTOMS OF EXPOSURE:

Inhalation (Breathing): Inhalation of this material may cause narcotic effects such as drowsiness or dizziness.

Skin: Skin contact may cause redness, or mild skin irritation. Effects may be more serious with repeated or prolonged contact. Intermittent and long term skin contact may cause the skin to develop a rash. This material is not significantly absorbed across the skin.

Eye: Serious Eye Damage: Corrosive. Eye contact may cause serious eye irritation, with tearing, redness, or a stinging or burning feeling. May cause conjunctival redness and edema, and eyelid redness and edema. Edema may lead to blurred vision. May cause corneal damage.

Ingestion (Swallowing): Ingestion is not a likely route of exposure.

Interaction with Other Chemicals Which Enhance Toxicity: None known.

GHS HEALTH HAZARDS:

GHS: ACUTE TOXICITY - ORAL: Not classified as acutely toxic by oral exposure per OSHA-GHS criteria.

GHS: ACUTE TOXICITY - DERMAL: Not classified as acutely toxic by dermal exposure per OSHA-GHS criteria.

GHS: CONTACT HAZARD - SKIN: Category 3 - Causes mild skin irritation Not classified as a skin irritant per OSHA-GHS criteria

GHS: CONTACT HAZARD - EYE: Category 1 - Causes serious eye damage

GHS: SENSITIZATION HAZARD: Skin Sensitizer Category 1 - May cause an allergic skin reaction.

GHS: CARCINOGENICITY:

Not classified as a carcinogen per GHS criteria. This product is not classified as a carcinogen by NTP, IARC, or OSHA.

SPECIFIC TARGET ORGAN TOXICITY (Single Exposure):

Category 3 - Narcotic Effects

MUTAGENIC DATA:

Negative responses have been observed. Not classified as a mutagen per GHS criteria.

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12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA:

Fish Toxicity:

LC50 Zebra Fish: 3.4 mg/l (96 hr.)

Invertebrate Toxicity:

EC50 Daphnia magna: 4.68 mg/L (48 hour)

Algae Toxicity:

LC50 Selenastrum-Capricornatum: 3.9 mg/l (72 hr.)

FATE AND TRANSPORT:

BIODEGRADATION: 10% degradation - tested according to OECD 301B

Ulti-Pro 100 is not readily biodegradable

PERSISTENCE: No data available

BIOACCUMULATIVE POTENTIAL: No data available.

MOBILITY IN SOIL: No data available.

13. DISPOSAL CONSIDERATIONS

Waste from material:

Reuse or reprocess, if possible. Dispose of in accordance with federal, state and local regulations.

Container Management:

Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

14. TRANSPORT INFORMATION

IMPORTANT: The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

LAND TRANSPORT

U.S. DOT 49 CFR 172.101:

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Status: Not regulated.**CANADIAN TRANSPORTATION OF DANGEROUS GOODS:****Status:** Not regulated.**MARITIME TRANSPORT (IMO / IMDG) :****Status - IMO / IMDG:** Not Regulated**AIR TRANSPORT (ICAO / IATA) :****Status - ICAO/IATA:** Not Regulated**15. REGULATORY INFORMATION****U.S. REGULATIONS****OSHA REGULATORY STATUS:**

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

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):

If a release is reportable under CERCLA section 103, notify the state emergency response commission and local emergency planning committee. In addition, notify the National Response Center at (800) 424-8802 or (202) 426-2675.

Component	CERCLA Reportable Quantities:
Resorcinol	5000 lb (final RQ)
Aniline	5000 lb (final RQ)

SARA EHS Chemical (40 CFR 355.30)

Not regulated

Component	EPCRA RQs	Section 302 Threshold Planning Quantity (TPQs)
Aniline	5000 lb (EPCRA RQ)	1000 lb TPQ

EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):

Acute Health Hazard

EPCRA SECTION 313 (40 CFR 372.65):

Not regulated.

Component	Status:
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Diphenylamine	1.0 %
Aniline	1.0 %

OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):

Not regulated

NATIONAL INVENTORY STATUS**U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA):** All components are listed or exempt.**TSCA 12(b):** This product is not subject to export notification.**Canadian Chemical Inventory:** All components of this product are listed on either the DSL or the NDSL.**STATE REGULATIONS****California Proposition 65:**

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

Component	California Proposition 65 Cancer WARNING:	California Proposition 65 CRT List - Male reproductive toxin:	California Proposition 65 CRT List - Female reproductive toxin:	Massachusetts Right to Know Hazardous Substance List	New Jersey Right to Know Hazardous Substance List	New Jersey Special Health Hazards Substance List
Resorcinol 108-46-3	Not Listed	Not Listed	Not Listed	Listed	1634	Not Listed
Diphenylamine 122-39-4	Not Listed	Not Listed	Not Listed	Listed	0796	Not Listed
Aniline 62-53-3	Listed	Not Listed	Not Listed	Listed	0135	mutagen

Component	New Jersey - Environmental Hazardous Substance List	Pennsylvania Right to Know Hazardous Substance List	Pennsylvania Right to Know Special Hazardous Substances	Pennsylvania Right to Know Environmental Hazard List	Rhode Island Right to Know Hazardous Substance List
Resorcinol 108-46-3	Not Listed	Listed	Not Listed	Present	Listed
Diphenylamine 122-39-4	Listed	Listed	Not Listed	Present	Listed
Aniline 62-53-3	Listed	Listed	Not Listed	Present	Listed

CANADIAN REGULATIONS

- This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations

WHMIS - Classifications of Substances:

- D2B - Poisonous and Infectious Material; Materials causing other toxic effects - Toxic material

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16. OTHER INFORMATION

Prepared by: OxyChem Corporate HESS - Product Stewardship

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HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

Health Rating: 2*

Flammability Rating: 0

Reactivity Rating: 0

NFPA 704 - Hazard Identification Ratings (SCALE 0-4)

Health Rating: 2

Flammability: 0

Reactivity Rating: 0

Reason for Revision:

- Changed the SDS format to meet the GHS requirements of the revised 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
- Authored safety data sheet using the WERCS software

IMPORTANT:

The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY OR OTHERWISE. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, storage, disposal and other factors that may involve other or additional legal, environmental, safety or performance considerations, and INDSPEC Chemical Corporation assumes no liability whatsoever for the use of or reliance upon this information. While our technical personnel will be happy to respond to questions, safe handling and use of the product remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patents or to violate any Federal, State, local or foreign laws.

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees

End of Safety Data Sheet