



## MATERIAL SAFETY DATA SHEET

### Section 1: Product and Company Identification

**Product Name:** DURALL 55 - PART B  
**Company:** CoorsTek  
14143 Denver West Parkway  
Golden, CO 80401  
**Telephone:** 303-271-7000  
**Emergency Telephone Number:** 1-800-535-5053 USA  
01-352-323-3444 International

### Section 2: Composition / Information on Ingredients

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200). Unlisted ingredients are not "hazardous" per the OSHA standard.

Chemical Name	CAS #	OSHA PEL*	ACGIH TLV*	WT%
Benzyl Alcohol	100-51-6	N/E	N/E	5-20%
Nonyl Phenol	25154-52-3	N/E	N/E	5-20%
Vestamin IPD	2855-13-2	N/E	N/E	5-20%
TOFA reaction products with TEPA	68953-36-6	N/E	N/E	5-20%
Tetraethylenepentamine	112-57-2	N/E	N/E	<5%

\*ALL INGREDIENTS ARE REGISTERED ON TSCA.

\*Unless otherwise noted, all PEL and TLV Values are reported as 8 hour time weighted averages (TWA)

\*T/S - Trade Secret

### Section 3: Hazards Identifications

**Emergency Overview:** Mild or moderate eye irritation.  
May cause skin irritation  
Harmful if swallowed.

**HMIS RATING:** HEALTH-3, FLAMMABILITY-1, REACTIVITY-0  
See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

#### Potential Health Effects

**Eye contact:** Mild or moderate irritation, possible minor temporary cornea injury.  
**Skin contact:** May cause skin irritation on prolonged or repeated exposure.  
**Skin absorption:** Not considered toxic.  
**Inhalation:** May cause nasal irritation, central nervous system depression or lung injury.  
**Chronic effects of over exposure:** None

### Section 4: First Aid Measures

#### EMERGENCY & FIRST AID PROCEDURES:

**Eyes:** Flush with plenty of water and get medical attention. Keep eye lids apart. Wash within 1 minute of contact for maximum results.

#### Section 4: First Aid Measures (continued)

<b>Skin:</b>	Promptly wipe clean with paper or cloths and wash with soap and water. Remove contaminated clothing before reuse. Attention should be paid to hair, nose and eyes.
<b>Inhalation:</b>	In case of exposure to high concentration of vapor or mist, remove person to fresh air.
<b>Ingestion:</b>	If large amounts are swallowed, induce vomiting. Seek medical attention. May cause burns to mouth and throat.
<b>Primary routes of entry:</b>	Inhalation, Ingestion, skin and eye contact.
<b>Carcinogenicity:</b>	This product does not contain 0.1% or more of any substance which is listed as a carcinogen by NTP, IARC or OSHA.

#### Section 5: Fire Fighting Measures

<b>Flash Point:</b>	234 F
<b>Test Method:</b>	Setaflash Closed Cup
<b>Lower Flammability Limit:</b>	N/A
<b>Upper Flammable Limit:</b>	N/A
<b>Recommended Extinguishing Media:</b>	Water, Foam, Carbon Dioxide, Dry Chemicals or Fog.
<b>Special Fire Fighting Procedures:</b>	Firefighters should wear protective goggles and self contained breathing apparatus to avoid inhalation of smoke or vapors. Remove all ignition sources.
<b>Unusual Fire or Explosion Hazards (conditions to avoid):</b>	May produce hazardous fumes or hazardous decomposition products, such as carbon dioxide, carbon monoxide, hydrogen sulfide, oxides of sulfur and nitrogen.

#### Section 6: Accidental Release Measures

<b>Special Protection:</b>	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred.
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#### Steps to be taken in case of material is released or spilled:

Ventilate the area. Absorb spill with suitable absorbent material and place into a closed container. Prevent material from entering waterways. Wear protective equipment during cleanup. Use eye and skin protection.

**Transport Emergency Phone Number:** (INFOTRAC) 1-800-535-5053

#### Section 7: Handling and Storage

<b>Handling:</b>	Harmful or irritation material. Avoid contact and avoid breathing the material Use only in a well ventilated area.
<b>Storage:</b>	Store in a cool, dry place.

#### Section 8: Special Protection Information

<b>Respiratory Protection:</b>	If vapor or mist is generated and the occupational exposure limit is exceeded, use appropriate NIOSH/MSHA approved self-contained breathing equipment or a full face respirator. Respirators should be selected by and used following requirements found in OSHA's respirator standards (29 CFR 1910.134). Not required for properly ventilation area.
<b>Ventilation:</b>	Local exhaust and general ventilation is recommended.

### Section 8: Special Protection Information (continued)

<b>Hand Protection:</b>	Nitrile Rubbers gloves.
<b>Eye Protection:</b>	Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material; Have an eye wash station available.
<b>Skin and Body Protection:</b>	Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.

### Section 9: Physical and Chemical Properties

<b>Physical state:</b>	Gel
<b>Color:</b>	Gray
<b>Odor:</b>	Amine Odor
<b>Weight by gallon:</b>	14 lbs
<b>Solids (% by weight)</b>	100
<b>V.O.C.</b>	0 g/L
<b>Boiling range:</b>	335 F
<b>Melting point:</b>	N/E
<b>Density:</b>	1.04
<b>Percent volatile:</b>	N/D
<b>Vapor density (air=1):</b>	Not Volatile
<b>Vapor pressure (mm Hg):</b>	N/E
<b>Evaporation rate:</b>	N/A
<b>Water miscibility:</b>	<0.1%

### Section 10: Physical and Chemical Properties

<b>Stability:</b>	Stable
<b>Incompatibility:</b>	Strong oxidizers, epoxy resin, and amine mixtures especially when hot.
<b>Hazardous polymerization:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Oxides of Carbon and Phenolics under burning conditions
<b>Conditions to avoid:</b>	Heat and warm storage

### Section 11: Toxicological Information

<b><u>Chemical Name</u></b>	<b><u>LD50/LC50</u></b>
<b>Modified Aliphatic Polyamine</b>	Not established

### Section 12: Ecological Information

<b>Overview:</b>	No ecological information available.
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### Section 13: Disposal Considerations

To the best of our knowledge, this product does not meet the definition of hazardous waste under U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended. Consult state, local or provincial authorities for more restrictive requirements.

## Section 14: Transport Information

Consult Bill of Lading for transportation information

**DOT:** CORROSIVE LIQUID N.O.S.

**IATA:** CORROSIVE LIQUID N.O.S.

## Section

### 15: Regulatory Information

**OSHA Hazard Communication Standard (29 CFR 1910.1200) Hazard Class(es):** N/A

**SARA Hazard Classification:** SARA Title III Regulations (40 CFR 370): N/A

**SARA Section 313 Listed Ingredients:** This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372.

**DOT Proper Shipping Name:** Corrosive Liquid N.O.S. (Modified Aliphatic Polyamine)

**UN Number:** UN1760

### Section 16: Other Information

**HMIS Rating:**

**Health:** 3

**Flammability:** 1

**Reactivity:** 0

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