



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco HMMM 65% DLD**
SDS Manufacturer Number: 63

Other means of identification:

Synonyms: Dry liquid Dispersion of Hexa (methoxymethyl) melamine;
Phenylenediamine

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Westco HMMM-65% DLD is used as a crosslinking agent with resorcinol or a novolak resin and as an adhesion promoter in rubber compounds with a variety of substrates. It is recommended as a replacement for hexamethylene-tetramine due to lower toxicity and less effect on scorch times

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Western Reserve Chemical Corporation
Address: 4837 Darrow Road
Stow, OH 44224
USA
General Phone Number: 330 650 2244
General Fax Number: 330 650 2255

Emergency phone number::

Emergency Phone Number: Chemtrec 1 800 424 9300 USA
Website: www.wrchem.com

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Pictograms:



Signal Word: WARNING!

GHS Class: *Eye Irritant, Category 2A

Hazard Statements: Causes serious eye irritation. Causes serious eye damage.

Precautionary Statements: * Wash hands thoroughly after handling.
* Wear protective gloves/protective clothing/eye protection/face protection.
* IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
* If eye irritation persists: Get medical advice/attention.

Hazards not otherwise classified that have been identified during the classification process:

Emergency Overview: May cause serious eye irritation.

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Eye: May cause redness, tearing and swelling of the eyes.

Skin: Prolonged or repeated skin contact may cause drying of the skin which may result in a dry, cracked appearance. May also cause an allergic skin reaction.

Inhalation: Exposure may result in upper respiratory irritation.

Carcinogenicity: Not classified as a carcinogen.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Synthetic calcium silicate	1344-95-2	35 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Remove contact lenses if present. Flush eyes with large amounts of water for 15 minutes with eyelids open. If irritation persists seek medical attention.
Skin Contact:	Wipe off excess material. Remove contaminated clothing. Flush exposed area with water and wash with soap and water if possible. If redness or irritation occurs seek medical attention.
Inhalation:	Move victim to fresh air. Treat irritation symptomatically. Seek medical attention if irritation persists.
Ingestion:	DO NOT induce vomiting! Rinse victim's mouth with water. Seek medical attention if warranted.

Indication of immediate medical attention and special treatment needed:

Note to Physicians:	Treat symptomatically.
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SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	Suitable: Dry Chemical, Water Spray, Foam, CO2.
Unsuitable extinguishing media:	Do not use high volume water jet.
Unusual Fire Hazards:	Irritating or toxic gases may be generated from decomposition/combustion products. Fire will produce dense black smoke.

Special protective equipment and precautions for fire-fighters:

Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Fire Fighting Instructions:	Clear area of all non emergency personnel. Do not enter confined fire space without full bunker gear including a positive pressure self contained breathing apparatus (SCBA). Isolate fuel supply from fire.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions:	Use proper personal protective equipment as listed in Section 8.
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Environmental precautions:

Environmental Precautions:	Spilled product is not a RCRA Hazard Waste per 40 CFR 261.3. Contaminated soil must be treated as hazardous waste. If product is released to rivers or lakes contact local authorities. Spilled product should be disposed of in accordance with state and local regulations.
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Methods and materials for containment and cleaning up:

Spill Cleanup Measures:	Pick or scoop up material and put into a suitable container for proper disposal. Clean up promptly by sweeping or vacuum. Dispose of contaminated material. Unbroken bags can still be used.
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Methods and materials for containment and cleaning up:

Methods for containment:	Prevent from spreading by covering, diking or other means.
Methods for cleanup:	Shovel or sweep up for re-use or disposal. Avoid creating dusty conditions.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	Keep container tightly closed when not in use. Use with adequate ventilation. Avoid breathing process fumes, Formaldehyde may be released during processing. Avoid contact with eyes, skin and clothing.
Hygiene Practices:	Follow good industrial hygiene practices when handling this material. Do not inhale vapors, fumes or mists of this product. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities:

Storage:	Keep away from strong oxidizing agents, acids or alkalis Avoid breathing process fumes or dust, Formaldehyde may be released during processing. Avoid eating or drinking in processing areas. Use under well ventilated conditions. Store in original or tightly sealed containers
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Specific end use(s):

Work Practices:	Safety showers and eye wash stations should be available.
Notes :	Other Precautions: Store in original or tightly sealed containers

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Use appropriate engineering controls such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures:

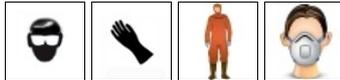
Eye/Face Protection: Chemical splash goggles. Eye wash station.

Skin Protection Description: Apron or coveralls should be used to prevent contact with skin or clothing.

Hand Protection Description: Protective Gloves: Rubber (Fluorinated rubber) gloves.

Respiratory Protection: (Specify Type): Dust masks may be needed depending on ventilation. Use of a respirator with a particle filter P2 (EN143) is recommended.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid
Powder

Color: White

Specific Gravity: (Water = 1): 1.44 ± .10

Solubility: negligible

Vapor Density: Not Applicable (Air = 1)

Evaporation Rate: Not Applicable (N-butyl acetate = 1)

Flash Point: >110C (230F)

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: Possibility of Hazardous Reactions: Will not occur

Chemical Stability:

Chemical Stability: Stable

Possibility of hazardous reactions:

Hazardous Polymerization: Will not occur.

Conditions To Avoid:

Conditions to Avoid: Temperature extremes. Open flames or electrical sparks.

Incompatible Materials:

Incompatible Materials: Materials to Avoid: Strong oxidizing agents, acids and bases

Hazardous Decomposition Products:

Special Decomposition Products: Oxides of Carbon and Nitrogen. Ammonia and Formaldehyde. Irritating or toxic gases may be generated from decomposition/combustion products. Fire will produce dense black smoke

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity: Acute oral toxicity:
Result: LD 50 Oral (Rat) Dose: 2,000 mg/kg
Result: LD 50 Dermal (Rabbit) Dose: >5g/kg

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: Toxicity to Fish
LC50 Bluegill Sunfish >1,000mg/l 96 hrs
Aquatic Invertebrates
LC50 Daphnia Magna >1,000mg/l 48 hrs

Notes : Other general ecological information: No Data Available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Waste Disposal Method: 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. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Contaminated Packaging: Contaminated packaging should be treated as unused product.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated in non-bulk containers.

DOT Pictograms: 

IATA Shipping Name: Not regulated in non-bulk containers.

IATA Pictograms: 

Canadian Shipping Name: Not regulated in non-bulk containers.

IMDG Shipping Name : Not regulated in non-bulk containers.

RID Shipping Name : Not regulated in non-bulk containers.

ICAO Shipping Name: Not regulated in non-bulk containers.

Notes : MARINE TRANSPORT (IMO):
IMO Shipping Name: Not regulated in non-bulk containers.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: All components of this product are listed or exempted in the TSCA inventory of Chemicals Substances.

Section 302 EHS: Extremely hazardous Substance

CERCLA Section 302: If an accidental spill occurs, there is no reporting required.

Section 311/312 Hazard Categories: Acute and chronic health hazard

Section 313: Supplier Notification required

California PROP 65: Not listed

Risk Phrases: R36 - Irritating to eyes.

Safety Phrase: * S 7 - Keep container tightly closed.
* S36/39 - Wear suitable protective clothing and eye/face protection.
S25 - Avoid contact with eyes.



SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 2
HMIS Fire Hazard: 1
HMIS Reactivity: 0
HMIS Personal Protection: J

Health Hazard	2
Fire Hazard	1
Reactivity	0
Personal Protection	J

SDS Revision Date: March 11, 2016

Notes : Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

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