

SAFETY DATA SHEET

1. CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

Product Names/Trade Names: DURA-BUILD

Chemical Family: Modified Acrylic

Manufacturer's Name: Merrifield Paint and Coatings

47 Inwood Rd.

Rocky Hill, CT 06067

General No.: (860) 529-1583 (8:00am to 4:00pm Eastern Time)

Company 24 Hour Emergency Response Information: CHEMTEL: 1-800-255-3924

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

2. HAZARDS IDENTIFICATION

Emergency Overview: Caution! The toxicological properties of this material have not been fully investigated.

Classification of the substance

Harmful if swallowed.

Causes skin irritation and eye damage.

May cause an allergic skin reaction.

May cause respiratory and digestive tract irritation

Label Elements

Hazardous components which must be listed on the label: Contains Ammonia

Signal Word: Warning

Hazard Pictogram:



Hazard Statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

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- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P352 Wash with plenty of soap and water.
- P363 Wash contaminated clothing before reuse.

General Information: This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. Prolonged contact may result in chemical burns and permanent damage. Repeated or prolonged contact causes sensitization, asthma and eczemas.

Read the entire SDS for a more thorough evaluation of the hazards.

3. COMPOSITION/INFORMNATION ON INGREDIENTS

Ingredients	% By Weight	CAS Number
Modified Acrylic	<50	Proprietary
Propylene Glycol	1-5%	57-55-6
Ammonia, water solution base*	<1	1336-21-6
Water	20-30	7732-18-5
Texanol Alcohol	<3%	25265-77-4

***This ingredient is considered hazardous substance, environmentally toxic, and corrosive. Contain less than 0.2% in water solution as an active ingredient for stability of the mixture.**

4. FIRST-AID MEASURES

General advice: Seek medical advice or medical attention if condition persists.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes.

Skin contact: Immediately remove any extraneous chemical, if possible without delay. Take off contaminated clothing and shoes immediately. Wash body off with soap and plenty of water.

Ingestion: Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position and turn victim's head to the side. **Do not induce vomiting.**

Inhalation: Move to fresh air. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

Notes to Physician: No specific treatment. Treat symptomatically.

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5. FIRE-FIGHTING MEASURES

Suitable Fire Extinguishing Media: Water fog, foam, dry chemical, carbon dioxide.

Special Exposure Hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special Protective Equipment for Fire-Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Danger of Explosion: This product does not present an explosion hazard

Flammable Limits: Not Available

Explosion Limits: Not Available

Auto-Ignition: Not Available

Flash Point: Noncombustible (Water Solution)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental Precautions: Water polluting material. May be harmful to the environment if released in large quantities. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform authorities if the product has caused environmental pollution (sewers, drains, waterways or soil).

Methods for Cleaning up: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. HANDLING AND STORAGE

Handling: Put on appropriate personal protective equipment, PPE (see Section 8). Remove contaminated PPE or clothing, wash hands and face before eating and drinking. Use only in area provided with appropriate exhaust ventilation. Do not get in eyes, skin or clothing. Do not ingest. Normal clean-up procedures.

Avoid breathing of vapors. Handle in well-ventilated workspace. When handling, do not eat, drink, or smoke. Avoid contact with skin.

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Storage: Stored in cool, dry, ventilated area. Keep material tightly sealed. Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 1° C/34° F. The highest recommended storage temperature for this material is 49° C/120° F.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Special Note for Exposure Control: Consult local authorities for acceptable exposure limits.

OSHA PEL (TWA): 17mg/m³, 25ppm (Ammonia)

ACGIH TLV (TWA): 24mg/m³, 35ppm (Ammonia)

Engineering measures: Work in well ventilated area. Provide natural or explosion-proof fan to ensure adequate ventilation, especially in confined area. Avoid contact with skin, eyes, and clothing.

Environmental exposure controls: Construct a dike to prevent spreading. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating and drinking, smoking or using the lavatory and at the end of the working period. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection:

Respiratory - In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Eyes – Splash proof safety glasses.

Skin - Rubber or plastic apron. Rubber or plastic gloves. Long sleeved clothing or wear protective sleeves. Remove and wash contaminated clothing before re-use.

Other protective equipment information - Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Neoprene gloves. PVC disposable gloves. Nitrile rubber. Butyl-rubber. Impervious gloves. (The breakthrough time of the selected glove(s) must be greater than the intended use period.)

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Pasty Liquid
Odor:	Slight Odor
Color:	Slight White
PH Value:	8 – 9
Boiling Point:	100° C (212° F)
Melting Point:	Not Applicable

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Vapor Pressure (25°C):	Not Applicable
Vapor Density:	>1
Density (Nominal):	1.1
Solubility in water:	Completely in water
Evaporation Rate (Butyl Acetate = 1):	Not Applicable
Volatile Organic Compounds:	50g/l

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions. Hazardous reactions will not occur.

Conditions to avoid: No specific data.

Materials to avoid: Strong oxidizers.

Hazardous decomposition products: Thermal decomposition may yield oxides of carbon.

Hazardous polymerization: Under normal conditions hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Absorbed through skin. Eye contact. Ingestion.

Toxicity to Animals: LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

12. ECOLOGICAL INFORMATION

Environmental Effects: No known significant effects or critical hazards.

Ecotoxicity: Not available.

BOD5 and COD: Not available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with federal, state and local regulations.

The generation of waste should be avoided or minimized wherever possible. Empty containers should be taken to an approved waste handling site for recycling or disposal. Incineration or landfill should only be considered when recycling is not feasible. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Refer to 40 CFR § 261.7 (residues of hazardous waste in empty containers).

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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14. TRANSPORT INFORMATION

Regulatory information	UN number	Classes	Packing Group	Proper Shipping Name
DOT				Paint/Adhesive
TDG				Paint/Adhesive
IMDG				Paint/Adhesive
IATA				Paint/Adhesive

Not Regulated - Considered not a hazardous material

15. REGULATORY INFORMATION

Country	Regulatory List	Notification
USA	TSCA	Included on Inventory
EU	EINECS	Included on Inventory
Canada	DSL	Included on Inventory
China	SEPA	Included on Inventory
Japan	ENCS	Included on Inventory

OSHA - This product is considered non-hazardous.

(Ammonia as an ingredient is considered hazardous, 0.4% loading)

SARA 302/304/311/312 extremely hazardous substances – No ingredients listed.

SARA 311/312 Hazard Identification - Acute.

SARA 313 - No ingredients listed.

U.S. State Regulations:

California Safe Drinking Water & Toxic Enforcement Act (Proposition 65) - This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other reproductive harm.

Canada WHMIS – This product is considered non-hazardous.

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.

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16. OTHER INFORMATION

Hazardous Material Rating:

<i>Scale 0-4</i>		<i>NFPA</i>	<i>HMIS</i>
4=Severe Hazard	Health	1	1
3=Serious Hazard	Flammability	0	0
2=Moderate Hazard	Reactivity	0	0
1=Slight Hazard			
0=Minimal Hazard			

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END OF DATA SHEET