

LOW V (tm) EPOXY

Low viscosity, solvent free, clear epoxy. Bonds to dry or damp surfaces. APPLICATIONS - shipping container floors, rot repair, VOC class: waterproof

Sold at EPOXYUSA.COM by Progressive Epoxy Polymers, inc. - epoxyproducts.com - info@epoxyproducts.com - 603-435-7199 EST. Sold only in the Lower 48 States. Some products cannot be shipped to California. Ships UPS ground (no sales tax) from NH. All orders paid in full prior to shipping.

STANDARD PRODUCT DESCRIPTION	<p>LOW V™ Epoxy is a 100% solids, low viscosity, clear resin system designed for a variety of applications. Non-Blushing and Non-Water spotting, moisture insensitive with good chemical resistance and physical properties. Originally designed for crack injection into damp concrete, it provides excellent sealing and waterproofing under dry or wet conditions. Used as a penetrating epoxy when combined with solvents.</p>																																																	
USES	<p>Sealing Concrete/wood Clear Coat Surface Waterproofing Coating Table Tops and Counters Base coat under other epoxies or urethanes</p>																																																	
FEATURES	<p>Low viscosity Convenient 2 to 1 ratio by volume (1 to .43 by weight) Non-blushing/water spotting Bonds to damp concrete Self-leveling and air releasing (non bubbling) Solvent-free (no odor)</p>	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Buy this product at: EPOXYUSA.COM</p> </div>																																																
VISCOSITY	<p>Viscosity at 72°F: Part A: 500 cps Part B: 80 cps Mixed: 175 cps</p>																																																	
PHYSICAL PROPERTIES	<table border="0"> <tr> <td>COMPRESSIVE STRENGTH</td> <td>ASTM D695</td> <td>11,000 psi</td> </tr> <tr> <td>TENSILE STRENGTH</td> <td>ASTM D638</td> <td>3,800 psi</td> </tr> <tr> <td>ELONGATION AT BREAK</td> <td>ASTM D638</td> <td>6.68 %</td> </tr> <tr> <td>ABRASION RESISTANCE</td> <td></td> <td></td> </tr> <tr> <td>CS-17 WHEEL, 1 kg LOAD</td> <td>ASTM D4060</td> <td>0.10 gm loss</td> </tr> <tr> <td>WATER ABSORPTION</td> <td>ASTM D570</td> <td>0.09 %</td> </tr> <tr> <td colspan="3" style="padding-left: 20px;">(2 hour boil)</td> </tr> <tr> <td>FLEXURAL STRENGTH</td> <td>ASTM D790</td> <td>9,600 psi</td> </tr> <tr> <td>SHORE D HARDNESS</td> <td>ASTM D2240</td> <td>90</td> </tr> <tr> <td>HEAT DISTORTION</td> <td>ASTM D649</td> <td>120° F</td> </tr> <tr> <td colspan="3" style="padding-left: 20px;">TEMPERATURE</td> </tr> <tr> <td>BOND STRENGTH TO</td> <td>100% Concrete failure</td> <td></td> </tr> <tr> <td colspan="3" style="padding-left: 20px;">CONCRETE</td> </tr> <tr> <td>APPLICATION RATE</td> <td>200-250 sq. ft./gallon at 6-8 mils</td> <td></td> </tr> <tr> <td colspan="3" style="padding-left: 20px;">(smooth surface)</td> </tr> <tr> <td>APPLICATION RATE</td> <td>100-110 sq. ft./gallon</td> <td></td> </tr> </table>		COMPRESSIVE STRENGTH	ASTM D695	11,000 psi	TENSILE STRENGTH	ASTM D638	3,800 psi	ELONGATION AT BREAK	ASTM D638	6.68 %	ABRASION RESISTANCE			CS-17 WHEEL, 1 kg LOAD	ASTM D4060	0.10 gm loss	WATER ABSORPTION	ASTM D570	0.09 %	(2 hour boil)			FLEXURAL STRENGTH	ASTM D790	9,600 psi	SHORE D HARDNESS	ASTM D2240	90	HEAT DISTORTION	ASTM D649	120° F	TEMPERATURE			BOND STRENGTH TO	100% Concrete failure		CONCRETE			APPLICATION RATE	200-250 sq. ft./gallon at 6-8 mils		(smooth surface)			APPLICATION RATE	100-110 sq. ft./gallon	
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CURE SCHEDULE

POT LIFE @ 75°F 20 minutes
TACK FREE 3-4 hours
FOOT TRAFFIC 7 hours
FULL CURE 5-7 days

SURFACE PREPARATION

Surface to be topcoated must be clean and free of oils, grease and loose contamination.

APPLICATION

Mix LOW V epoxy base with the LOW V curing agent. Use a mechanical mixer if possible to ensure thorough mixing. The mixing ratio is 2/1 (base/curing agent) by volume or 1/0.43 by weight. Mix really well - with parts A and B so thin and clear it is very easy to mix poorly and have uneven mixing within the same batch. This will produce tacky sections that never get completely hard and tack free. LOW V does not require a 'sweat-in' or induction time and the mixed components should be used immediately.

Potlife is approximately 20 minutes at 75°F, so mix only the amount of epoxy that can be easily applied within that time limit. Apply using a brush, roller, squeegee or pour. Use straight or thin with solvent for a wood penetrating epoxy. Mix with thickeners to get an epoxy putty.

NOTES

Unless top-coated with a UV absorber, this epoxy will yellow in sunlight.

This epoxy will generate a considerable amount of heat when it hardens. Thin plastic containers will melt.

TEMPERATURE

Temperature will exert a considerable influence on the rate of curing of chemically cured coatings such as Low V epoxy. In broad terms expect each 10°C, (18°F), rise or fall in temperature to half or double dry times and pot lives.

TRANSPORT

Epoxy base - Nonregulated by USDOT, IATA & IMO.

Curing agent - USDOT, IATA & IMO "Regulated". Class 8, Packing group III, UN 2735, Corrosive.

Curing agent quantities of under 4 liters is ORM-D exempt for ground shipment.

RELEVANT PRODUCT LINKS

FOR LOW V (tm) Epoxy

This document (printable PDF file).. greatthings4u.com/cc/pdf_LOWV_COMBO.pdf

Used on shipping container floors.. epoxyproducts.com/shipping_container.html (old file)

Used on shipping container floors.. shippingcontainerepoxy.com (new location - domain)

Rot repair.. epoxyproducts.com/rot.html

LOW V property summary.. paints-coatings-epoxies.com/a_low_v_clear_epoxy.html

3rd party container site mentioning LOW V

<https://brooklynfarmgirl.com/2017/04/06/our-new-shipping-container-flooring/>

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See epoxyproducts.com/legal.html for complete full document/terms

Disclaimers

Any suggestions/procedures etc. offered by Progressive Epoxy Polymers over the internet, telephone or in person are given AS-IS without any warranty. Your use of these suggestions/procedures is at your risk and cost. Progressive Epoxy is not liable for any CONSEQUENTIAL OR INCIDENTAL damages. You must make an independent determination whether to follow any suggestions or comments. Progressive Epoxy is not liable for any pot life or underwater adhesion issue, which will vary from location to location.

See epoxyproducts.com/legal.html for complete full document/terms

Refunds

Returns, refunds and or any sort of claim must be made within 30 days of purchase or 21 days of receiving your order (whichever is longer) and MUST INCLUDE original invoice/receipt shipped with the order. Returns must be un-used and in re-sellable condition packed in the original shipping box (which may have required shipping labels on it). Customer pays return shipping and must comply with federal DOT shipping requirement/labeling for hazmat epoxies under penalty of DOT fines and legal action.

The quickest and least expensive way to handle a refund is to refuse to accept the package when UPS delivers it.

All returns must be approved in advance by Progressive Epoxy Polymers

Your purchase from Progressive Epoxy Polymers, accessing any of our websites, any email contact with us grants Progressive Epoxy Polymers permission to add you to our email newsletter list at our option. You may opt out from the newsletter

COOL WEBSITES

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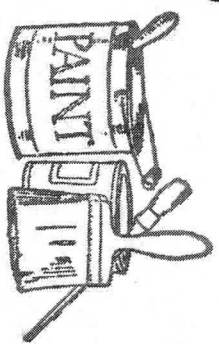
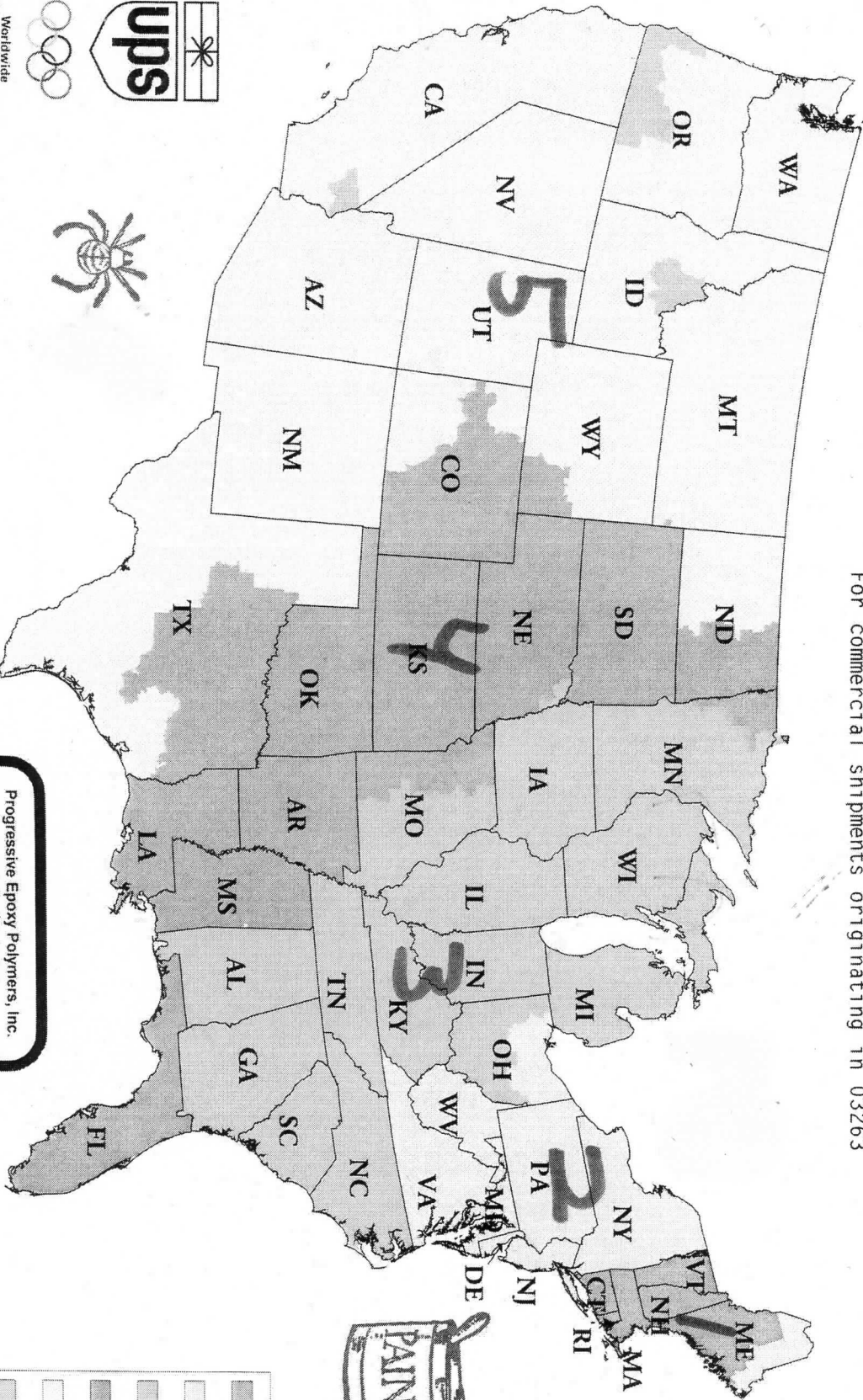
EPOXY

UPS GROUND

Paul Oman

Guaranteed Day-Definite Delivery

For commercial shipments originating in 03263



	1 DAY
	2 DAYS
	3 DAYS
	4 DAYS
	5 DAYS
	6 DAYS

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IMPORTANT EPOXY WEB LINKS PROGRESSIVE EPOXY POLYMERS, INC.

VIPLINKS.WPD (DATA-aaEPOXY_DOCS)

HOME PAGE ++++ epoxyproducts.com

HOME PAGE (quicky version) +++ epoxywebsite.com

MARINE ONLINE EPOXY CATALOG +++ epoxyproducts.com/marine.html

NON-MARINE ONLINE EPOXY CATALOG +++ epoxyproducts.com/main.html

CONTACT PAGE (hours, email, etc.) ++++ epoxysearch.com/contactpage.html

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INTERNET EPOXY ONLY SEARCH ENGINE +++ epoxysearch.com

TOP SELLING PRODUCTS - Favorites ++++ epoxyproducts.com/favorites4u.html

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DATA - MSDS - SDS - COMBO DOC ++++ epoxyproducts.com/datamsds.html

* FUNNY - MSDS for coffee ++++ buy-marine-epoxy-resin.com

FUNNY - MSDS for drinking water ++++ buy-epoxy-floor-paint.com

PROGRESSIVE EPOXY POLYMERS, INC. (epoxyproducts.com) Paul Oman CEO

Emails (24/7 - we are an internet company) - pauloman555@yahoo.com or info@epoxyproducts.com

603 - 435 - 7199 eastern standard time 10 - 4:30 M-F.

No recording device on the phone line - we only talk to real people. As an internet vendor we are not always sitting by the phone waiting for your call. If the phone just rings and rings, it means we are on the phone with someone - pls call back within a few minutes. Best time to call-in orders - 10 - 10:30 AM. Best time to long discussions - after 2 PM (after UPS has made their daily pick-up).

RELEVANT PRODUCT LINKS

FOR LOW V (tm) Epoxy

Gateway to massive epoxyproducts.com .. epoxywebsite.com
Progressive Epoxy Polymers Home page .. epoxyproducts.com
Marine Online catalog .. epoxyproducts.com/marine.html
Non-Marine Online catalog .. epoxyproducts.com/main.html
Product summary marine (prices-sizes) .. epoxyproducts.com/summarymar.html
Product summary non-marine (prices-sizes)..epoxyproducts.com/summaryind.html
Data - MSDS - SDS for products.. epoxyproducts.com/datamsds.html
Contact Page (hours, news, phone #) .. epoxysearch.com/contactpage.html
Terms of use (refunds - disputes) .. epoxyproducts.com/legal.html
Epoxy Internet Search Engine.. epoxysearch.com
Funny potable water and coffee MSDS.. epoxywebsite.html
Top selling products.. epoxyproducts.com/favorites4u.html

----- ADDITIONAL LINKS -----

This document (printable PDF file).. greatthings4u.com/ccpdf_LOWV_COMBO.pdf
Used on shipping container floors.. epoxyproducts.com/shipping_container.html (old file)
Used on shipping container floors.. shippingcontainerepoxy.com (new location - domain)
Rot repair.. epoxyproducts.com/rot.html
LOW V property summary.. paints-coatings-epoxies.com/a_low_v_clear_epoxy.html

3rd party container site mentioning LOW V

<https://brooklynfarmgirl.com/2017/04/06/our-new-shipping-container-flooring/>

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SAFETY DATA SHEET

PART A – RESIN (purchase at epoxyusa.com)

1. Product Information

Product Name: Low V Epoxy Part A Resin Chemical Family: Epoxy Resin Product Code: ER040-A

2. Composition/Information on Ingredients

Chemical Name	CAS Number	Percent
epichlorohydrin	25068-38-6	100

Bisphenol-A, Specific ingredients of this product are withheld and considered a trade secret.

3. Acute Toxicity Data

No. Acute Oral LD50 Acute Dermal LD50 Acute Inhalation LD50 No specific information is available

4. Health Hazard Data

Eye Contact: Moderately irritating to the eyes. **Skin Contact:** Moderately irritating to the skin, possible skin sensitization. **Inhalation:** Not considered a inhalation hazard. **Ingestion:** Considered to have a low order of acute toxicity. **Carcinogenicity:** Not classified as a carcinogen.

5. Emergency First Aid Procedures

Eye Contact: Flush eyes with plenty of water. Get medical attention. **Skin Contact:** Remove contaminated clothing. Wash with soap and water. If irritation occurs, get medical attention. **Inhalation:** Provide fresh air. Provide oxygen if breathing is difficult. **Ingestion:** Do not induce vomiting. In general, no treatment is necessary unless large quantities are ingested. However, get medical advice.

6. Physical Data

Boiling Point: >500 deg. F. Melting Point: Not applicable. Specific Gravity: 1.15 Vapor Density (Air=1): Not applicable Vapor Pressure (mm Hg): <1.0 Solubility in Water: Negligible Evaporation Rate (N-butyl Acetate =1): Not applicable Appearance and Odor: Clear, low viscosity liquid with mild odor.

7. Fire and Explosion Hazards

Flash Point: 485 deg. F. PMCC. **Flammable Limits/%** Lower: Not determined. Upper: Not determined.
Extinguishing media: Use foam, dry chemical, or CO2. **Fire Fighting Procedures and Precautions:** Do not enter confined fire space without full protective clothing (helmet with face shield, gloves and rubber boots), including NIOSH approved self contained breathing apparatus. **Fire and Explosion Hazards:** None known.

8. Stability and Reactivity

Stability: Stable. **Hazardous Polymerization:** Will not occur. **Conditions to Avoid:** Heating to high temperatures. **Materials to Avoid:** Strong oxidizing agents, strong Lewis or mineral acids, and strong organic bases, especially primary and secondary aliphatic amines. **Hazardous Decomposition Products:** Carbon monoxide, aldehydes, acids, and other organic substances may be formed during combustion.

9. Employee Protection

Precautions in Storage and Handling: Store at room temperature. **Ventilation:** General ventilation is usually adequate. **Respiratory Protection:** Not ordinarily required. **Skin Protection:** Rubber gloves and clothing impervious to this material. **Eye Protection:** Safety glasses, chemical goggles, or face plate.

10. Environmental Protection

Spill or Leak Procedures: Prevent all bodily contact with spilled materials. Wear appropriate protective clothing. Eliminate potential fire hazards. Dike spill and absorb with an inert material such as clay or sand, and collect in a non-leaking container. Flush area with water to remove last traces of residue. Dispose of flush solutions by absorption as above. **Waste Disposal Method:** Do not dump into sewers or into any body of water. Incinerate in an approved incinerator, or dispose of in a chemical dump in accordance with Federal, State, and local regulations.

11. Transportation Requirements

The D.O.T. information in this section is based on an evaluation of the product against the requirements of 49 CFR 172 and 173 as revised. DOT Proper Shipping Name: Not regulated. DOT Hazard Class: N/A DOT Labeling: N/A Packing Group: N/A UN/NA#: N/A

12. Regulatory Information

NOTICE: The information presented herein is based on the data available to us and is believed to be correct as of the date prepared. However, no liability whatsoever is assumed. It is the buyer's responsibility to determine the suitability of the product and the results obtained from its use. The manufacturer assumes no responsibility for injury resulting from the use of the product described herein.

Manufactured by:
E.R.C in RI
5/20/11

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SAFETY DATA SHEET

PART B -- CURING AGENT (purchase at epoxyusa.com)

1. Product Information

Product Name: Low V Epoxy Hardener Part B

Chemical Family: Aliphatic Amine

Product Code: ER040-B

2. Composition/Information on Ingredients

Chemical Name

Percent

Exposure Limits

ACGIH
TLV-TWA

OSHA
PEL

The specific ingredients of this product are considered a trade Secret.

3. Acute Toxicity Data

No. Acute Oral LD50 Acute Dermal LD50 Acute Inhalation LC50 No specific information is available.

4. Health Hazard Data

Eye Contact: Extremely irritating with possible permanent eye injury. **Skin Contact:** May cause allergic skin irritation which may be severe in certain individuals. **Inhalation:** If heated to extreme, vapors may cause irritation to the nose, throat, and respiratory tract. **Ingestion:** This product is considered to have a high order of acute toxicity. **Carcinogenicity:** Not classified as a carcinogen.

5. Emergency First Aid Procedures

Eye Contact: Flush eyes with plenty of water, consult physician immediately. **Skin Contact:** Wash with soap and water. If rash develops, consult physician. **Inhalation:** Remove to fresh air if effects occur, consult physician. **Ingestion:** Do not induce vomiting. Give one glass of water unless victim is drowsy, convulsing, or unconscious. Seek medical attention immediately.

6. Physical Data

Boiling Point: >400 deg. G. Melting Point: Not determined. Specific Gravity: 1.04 Vapor Density (Air=1): >1 Vapor Pressure (mm/Hg): <1@20C. Solubility in Water: Partial Evaporation Rate (N-Butyl Acetate=1): <1 Appearance and Odor: Clear liquid with amine odor.

7. Fire and Explosion Hazards

Flash Point: >450 deg. F. **Flammable Limits/%** Lower: Not determined Upper: Not determined.

Extinguishing Media: Use foam, dry chemical or CO2. **Fire Fighting Procedures and Precautions:** Do not enter confined fire space without full protective clothing (helmet with face shield, gloves and rubber boots), including NIOSH approved self contained breathing apparatus. Fire and

Explosion Hazards: Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat.

8. Stability and Reactivity

Stability: Stable. **Hazardous Polymerization:** Will not occur. **Conditions to Avoid:** Extreme heat. **Materials to Avoid:** Strong acids, bases, epoxy resins, and isocyanates may cause polymerization. **Hazardous Decomposition Products:** Carbon dioxide and carbon monoxide.

9. Employee Protection

Precautions in Storage and Handling: Store at room temperature. **Ventilation:** Local exhaust recommended. **Respiratory Protection:** NIOSH approved respirator. **Skin Protection:** Rubber gloves and clothing impervious to this material. **Eye Protection:** Safety glasses, chemical goggles or face plate.

10. Environmental Protection

Spill or Leak Procedures: Prevent all bodily contact with spilled materials. Wear appropriate protective clothing. Eliminate potential fire hazards. Dike spill and absorb with an inert material such as clay or sand, and collect in a non-leaking container. Flush area with water to remove last traces of residue. Dispose of flush solutions by absorption as above.

11. Transportation Requirements

The D.O.T. information in this section is based on an evaluation of the product against the requirements of 49 CFR 172 and 173 as revised. DOT Proper Shipping Name: Corrosive Liquids N.O.S. (Aliphatic Amine) DOT Hazards Class: 8, Packing Group: III, DOT Labeling: Corrosive, UN/MA#: UN2735

12. Regulatory Information

NOTICE: The information presented herein is based on the data available to us and is believed to be correct as of the date prepared. However, no liability whatsoever is assumed. It is the buyer's responsibility to determine the suitability of the product and the results obtained from its use. The manufacturer assumes no responsibility for injury resulting from the use of the product described herein.

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Safety Data Sheets (SDS) info

LOW V (tm)

listed as "Low
Viscosity GP Resin
(LVGPR)" or "Low
Viscosity GP
Hardener (LVGPH)"

Distributed By:
Progressive Epoxy Polymers, Inc.
www.epoxyproducts.com

For links to SDS
(safety data sheet) documents

Please visit:

www.epoxyproducts.com/datamsds.html

Scroll down to LOW V

SDS (safety data sheets) are the replacement documents for MSDS (material data safety sheets). MSDS documents were/are 1 - 4 pages long and widely distributed. The new SDS documents are typically 15 - 20 pages long. This is too big for easy distribution so instead of sending out SDS documents, most firms, like us, just send a link to these long documents. A fine example of government regulation that makes things worse instead of better.

PURCHASE THIS PRODUCT AT EPOXYUSA.COM - OR CALL PROGRESSIVE EPOXY POLYMERS, INC. AT 603 435 7199 DURING NORMAL EAST COAST BUSINESS HOURS.

WHEN FATHER CARVES THE DUCK

By Ernest Vincent Wright

We all look on with anxious eyes
—When father carves the duck,

And mother almost always sighs
—When father carves the duck;

Then all of us prepare to rise,
And hold our bibs before our eyes,
And be prepared for some surprise,
—When father carves the duck.

He braces up and grabs a fork
—Whene'er he carves a duck,

And won't allow a soul to talk
—Until he's carved the duck,

The fork is jabbed into the sides,
Across the breast the knife he slides,
While every careful person hides
—From flying chips of duck.

The platter's always sure to slip
—When father carves a duck,

And how it makes the dishes skip!
—Potatoes fly amuck!

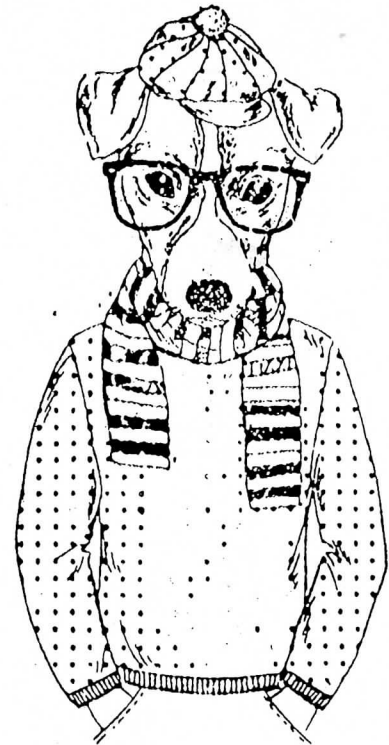
The squash and cabbage leap in space,
We get some gravy in our face,
And father mutters Hindoo grace
—Whene'er he carves a duck.

We then have learned to walk around
—The dining room and pluck

From off the window sills and walls
—Our share of father's duck.

While father growls and blows and jaws
And swears the knife was full of flaws,
And mother laughs at him because
—He couldn't carve a duck

MAKING
SMILES HAPPEN



*Progressive Epoxy
Polymers, Inc.*

epoxyproducts.com
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