

Date: April 15, 2011

UltraGrip HFE3080 change

Please note that UltraGrip HFE3080 was modified to further reduce the VOC levels for both automotive refinishing in Canada and VOC primer regulations in the US.

Any UltraGrip HFE3080 with the following part numbers has been discontinued Component A [**FEA0053**] and Component B [**FEB0041**]

The new formulation UltraGrip HFE3080 will have the new partnumbers Component A [**FEA0056**] and Component B [**FEB0056**] the new formula will have a VOC content of:

Component A: 295.2 g/L

Component B: 0 g/L

Mixed: 248.9 g/L (2.07 lbs/gal)

Attached is the MSDS information for the new part numbers

Part Number: UltraGrip HFE3080 Low VOC A [**FEA0056**]
UltraGrip HFE3080 – Activator [**FEB0056**]

Website status:

Product information is available on our website at: <http://www.endura.ca/voc/ultragriphfe3080.html>

VOC: Mixed: 248.9 g/L (2.07 lbs/gal)

If you have any questions please contact me,

Elissa

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MATERIAL SAFETY DATA SHEET

Product Name:

UltraGrip HFE3080 Low VOC Primer

Components A and B

Formulated to meet or exceed the Canadian Automotive refinishing VOC Guidelines



SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer/Supplier: Endura Manufacturing Co. Ltd.
12425 - 149 Street
Edmonton, Alberta
T5L 2J6
(Ph: (780) 451-4242 Fax: (780) 452-5079
24-Hour Emergency Number: (613) 996-6666 (Canutec)
Product Name: UltraGrip HFE3080 PRIMER - Grey. Components A and B.
Item Number: Component A FEA0056 Component B - FEB0056
Chemical Family: Zinc Primer.
Material Use: 2 Component Epoxy Primer – mix 5 parts Component "A" to 1 part Component "B"

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	C.A.S.	LD/50, ROUTE, SPECIES	LC/50, ROUTE, SPECIES	TLV	% WT
Component A Pigmented Epoxy Resin Solution					
Metallic Zinc	7440-66-6	N/A	N/A	N/A	55 – 75
Diglycidyl Ether Of Bis-phenol A	25068-38-6	10 – 11.4 g/kg, oral rat	N/A	N/A	10 – 15
Methyl Propyl Ketone	107-87-9	1.6 g/kg, oral rat	2,000 ppm, 4h	200 ppm	1 - 5
		6.5 g/kg, dermal rabbit	inhalation rat		
Methyl Isobutyl Ketone	108-10-1	2.08 g/kg, oral rat	TCLo 200 ppm inhalation human	50 ppm	1 - 5
Zinc Oxide	1314-13-2	N/A	N/A	N/A	1 - 5
Titanium Dioxide	13463-67-7	>25 g/kg, oral rat	>6.82 mg/L, 4h	15 mg/m3	1 - 3
		>10 g/kg, dermal rabbit	inhalation rat		
Tert-Butyl Acetate	540-88-5	4.1 g/kg, oral rat	2230 mg/m3, 4h	200 ppm	1 - 3
		2 g/kg, dermal rabbit	inhalation rat		
Acetone	67-64-1	5.8 g/kg, oral rat	16,000 ppm, 4h	1,000 ppm	1 - 3
		20 g/kg, dermal rabbit	inhalation rat		
Benzene, 1-chloro-4(trifluoromethyl)-	98-56-6	13 g/kg, oral rat	33 mg/L, 4h	2.5 mg/m3	1 - 3
		2 mg/kg, dermal rabbit	inhalation rat		
N-Butanol	70-36-3	0.79 g/kg, oral rat	N/A	50 ppm	1 - 3
		3.4 g/kg, dermal rabbit			
Ethylene Glycol Monobutyl Ether Acetate	112-07-2	2.4 g/kg, oral rat	450 ppm, 4h	20 ppm	1 - 3
		1.5 g/kg, dermal rat	inhalation rat		
Mixed Diamines	proprietary	2.0 g/kg, oral rat	N/A	N/A	0.1 – 0.5
		2.0 g/kg, dermal rabbit			
Carbon Black	1333-86-4	8 – 15.4 g/kg, oral rat	6.75 g/m3, 4h	3.5 mg/m3	0.1 – 0.3
		>3 g/kg, dermal rabbit	Inhalation rat		
Lead Sulphochromate Yellow	1344-37-2	>2 g/kg, oral rat	N/A	N/A	0 – 0.1
Component B - Polyamine Solution					
Modified Aliphatic Polyamide Solution	proprietary	2 g/kg, oral rat	> 4.178 mg/L, 4h	N/A	65 - 85
		2 g/kg, dermal rabbit	inhalation rat		
Acetone	67-64-1	5.8 g/kg, oral rat	16,000 ppm, 4h	1,000 ppm	10 - 15
		20 g/kg, dermal rabbit	inhalation rat		
Benzene, 1-chloro-4(trifluoromethyl)-	98-56-6	13 g/kg, oral rat	33 mg/L, 4h	2.5 mg/m3	5 - 10
		2 mg/kg, dermal rabbit	inhalation rat		
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	1.67 g/kg, oral rat	N/A	N/A	5 - 10
		1.24 g/kg, dermal rabbit			
Bis(dimethylaminomethyl)phenol	71074-89-0	2.169 g/kg, oral rat	N/A	N/A	0.1 – 1.0

legend: o=oral r=rat d=dermal i=inhalation rbt=rabbit fr=female rat p=intraperitoneal
 ** Free HDI monomer <0.15% of mixed solution (comp. A & comp. B) at time of manufacture. The monomer content may rise to 0.35% after 3-6 months storage.
 See Sax, N.I. "Dangerous Properties of Industrial Materials" for more information

SECTION 03: HAZARDS IDENTIFICATION

Eye Contact: Moderately irritating to eyes and can cause tissue damage. Component B can cause burning to eyes.
 Skin Contact: Low toxicity by skin absorption, but extended contact can cause irritation, sensitization and dermatitis. Component A can cause allergic skin reaction.
 Skin Contact: Component B can cause burning to skin.
 Inhalation: Vapors are of low to moderate toxicity when inhaled and are irritating to nose, throat and other respiratory passages, especially in higher concentrations. Extended exposure can cause headaches, dizziness, nausea or even loss of muscular control and coordination, narcosis or unconsciousness.
 Ingestion: Liquid is of low to moderate toxicity when ingested, but can be hazardous if aspirated into lungs during swallowing or vomiting. Component B can cause burning to gastrointestinal passages.
 Additional Information: Chronic hazards include narcosis, specific organ damage, permanent brain and nervous system damage or coma if extensively abused. Lead chromate and carbon black are possible carcinogens.

MATERIAL SAFETY DATA SHEET

Product Name:	UltraGrip HFE3080 Low VOC Primer Components A and B Formulated to meet or exceed the Canadian Automotive refinishing VOC Guidelines
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SECTION 04: FIRST AID MEASURES

Inhalation (acute):.....	Remove to fresh air and if necessary restore breathing by giving artificial respiration. Administer oxygen if victim is breathing with difficulty. GET IMMEDIATE MEDICAL HELP.
Ingestion:.....	DO NOT INDUCE VOMITING. Seek medical help. Give 1 or 2 glasses water or milk, BUT ONLY IF VICTIM IS CONSCIOUS.
Eye Contact:.....	Check for and remove any contact lenses. Flush eyes IMMEDIATELY with water for 15 minutes and get immediate medical help.
Skin Contact:.....	Wash with soap and water. Clean contaminated clothing before reuse.
Notes to Physician:.....	Treatment is symptomatic. There is no specific antidote. See list of ingredients.

SECTION 05: FIRE FIGHTING MEASURES

Flash Point (°C), (TCC):.....	-20°C
Auto Ignition Temperature (°C):	399
Upper Explosive Limit (% Vol):...	12.8%
Lower Explosive Limit (% Vol):.....	0.9%
Extinguishing Media:.....	CO2, foam, dry chemical. Avoid using water except as a fog.
Hazardous Combustion Products:.....	CO, CO2, Various hydrocarbons. NOX. Toxic or irritating products.
Sensitivity To Mechanical Impact:.....	None
Sensitivity To Static Discharge:.....	Can ignite vapors
Special Fire Fighting Procedures:.....	Wear self-contained breathing apparatus and full protective clothing. Extreme heat may cause pressure build-up in containers and possibly explosion, therefore use water to keep containers cool.
Conditions of Flammability:.....	Sparks, open flame, static discharge or extreme temperature. Vapors from this product are heavier than air and may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from the point of handling.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak / Spill and Clean up:.....	Remove all sources of ignition. The product should be contained and absorbed with inert materials and placed into a container. Do not seal the containers until any gas, which might form, has done so.
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SECTION 07: HANDLING AND STORAGE

Handling Procedures:.....	Avoid static charges, sparks, flames, ignition sources, excessive heat. Keep containers tightly closed and upright when not in use. Do not allow contact with skin or eyes, and don't breathe vapors. Electrical and mechanical equipment should be explosion-proof.
Storage Needs:.....	Store in a cool, dry place.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT

Eye/Type:.....	Wear liquid chemical goggles or a full-face shield.
Respiratory/Type:.....	Wear a suitable air supplied respirator.
Gloves/Clothing/Footwear/Type:	Wear chemical-resistant clothing, gloves and footwear.
Other/Type:.....	Make a safety shower and eye wash facility available.
Ventilation Requirements.....	Adequate ventilation must be assured to prevent the accumulation of dangerous amounts of vapor or mist.

MATERIAL SAFETY DATA SHEET**Product Name:**

UltraGrip HFE3080 Low VOC Primer

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State (appearance):...	Component A: grey liquid - Component B: clear liquid
Odor:.....	Solvent
Density (g/ml):.....	Component A: 2.517 Component B: 1.0041 Mixed: 2.2649
Odor Threshold (ppm):.....	N/A
Vapor Pressure (@20°C):.....	
Vapor Density (Air=1):.....	Heavier than air
Evaporation Rate:.....	Slower than ether
Boiling Point (°C):.....	56°C
pH:.....	N/A
Solubility in Water (% W/W):...	0 – insoluble in water
Coefficient of Water/Oil Distribution:	N/A
Freezing Point (°C):.....	<0
Melting Point (°C):.....	N/A
VOC (less water & exempts):.....	Component A: 295.2 Component B: 0 Mixed: 248.9 (2.07 lbs/gal)

SECTION 10: STABILITY AND REACTIVITY

Incompatibility:.....
Reactivity Conditions:..... Both components and their mixture will react dangerously with oxidizing materials. Contaminated solutions must not be resealed in the can.
Hazardous Products of
Decomposition:..

SECTION 11: REGULATORY INFORMATION

WHMIS Classification:..... B-2, D-2A, D-2B, E

SECTION 12: DISPOSAL CONSIDERATIONS

Waste Disposal:..... Dispose of waste according to local, provincial and federal regulations. Utilize authorized centers for disposal of combustible chemical material.

SECTION 13: TRANSPORT INFORMATION

T.D.G. Classification:..... Shipping name: Paint. UN 1263, CI 3, PG II.

SECTION 14: OTHER INFORMATION

Note:.....
Prepared By:..... Endura – Information Systems
Revision Date:..... April 15, 2011