

MATERIAL SAFETY DATA SHEET

Date Prepared: 04/01/03
Dura Build Gray

Page: 1
MSDS Number: 110001

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Dura Build Gray
Product Numbers: 102273 and 102274
Product Use: Acrylic Primer Surfacers

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Talc	14807-96-6	238-877-9	30 – 35
Toluene	108-88-3	203-625-9	25 – 30
Acrylic Resin	Proprietary	Proprietary	15 – 20
Isobutyl Acetate	110-19-0	203-745-1	5 – 10
Titanium Dioxide	13463-67-7	236-675-5	5 – 10
Isopropyl Alcohol	67-63-0	200-661-7	5 – 10
Limestone	471-34-1	207-439-9	1 – 5
Xylene	1330-20-7	215-535-7	1 – 5
Carbon Black	1333-86-4	215-609-9	0 – 2
Ethyl Benzene	100-41-4	202-849-4	0 – 2

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

MATERIAL SAFETY DATA SHEET

Date Prepared: 04/01/03
Dura Build Gray

Page: 2
MSDS Number: 110001

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Toluene: Possible birth defects hazard. Toluene may be harmful to the human fetus based on positive results with laboratory animals. Overexposure to Toluene has been suggested as a cause of the following effects in humans: cardiac sensitization, kidney damage. The substance may have effects on the central nervous system, resulting in decreased learning ability and psychological disorders.

Xylene: The substance may have effects on the central nervous system, resulting in decreased learning ability.

Cancer Information: The IARC has classified carbon black as a group 2B carcinogen (possibly carcinogenic to humans) based on experimental animal data. The IARC has classified ethyl benzene as a group 2B carcinogen (possibly carcinogenic to humans) based on the increase of kidney tumors in rats and an increase in lung and liver cancer in mice. This material may contain trace amounts of chemicals considered to be carcinogenic by OSHA (Benzene, IARC-Group 1)

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

MATERIAL SAFETY DATA SHEET

Date Prepared: 04/01/03

Page: 3

Dura Build Gray

MSDS Number: 110001

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be beneficial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 40.0 °F (4.4 °C)

Explosive Limit: Lower: 1.0% **Upper:** 12.7%

Autoignition Temperature: 790.0 °F (421.0 °C)

OSHA Flammability Class: Flammable Liquid – Class IB

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 2, Flammability - 3, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

MATERIAL SAFETY DATA SHEET

Date Prepared: 04/01/03
Dura Build Gray

Page: 4
MSDS Number: 110001

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe sanding dust, vapors or spray mist. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75°F (25°C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>OSHA PEL/TWA</u>	<u>ACGIH TLV</u>
Carbon Black	1333-86-4	3.5 mg/m ³	3.5 mg/m ³
Isobutyl Acetate	110-19-0	150 ppm	150 ppm
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm
Limestone	471-34-1	15 mg/m ³	10 mg/m ³
Talc	14807-96-6	20 mppcf	2 mg/m ³
Titanium Dioxide	13463-67-7	15 mg/m ³	10 mg/m ³
Toluene	108-88-3	200 ppm	50 ppm
Ethyl Benzene	100-41-4	100 ppm	100 ppm
Xylene	1330-20-7	100 ppm	100 ppm

Mppcf- millions of particles per cubic foot of air N/E-Not Established

MATERIAL SAFETY DATA SHEET

Date Prepared: 04/01/03
Dura Build Gray

Page: 5
MSDS Number: 110001

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	178 - 246 °F / 81 - 118 °C	Vapor Density:	Heavier than air.
Specific Gravity / Density:	1.26 / 10.49 lbs/gal	Percent Volatiles by weight:	40 - 45 %
Evaporation Rate:	Slower than ethyl ether.	Physical State:	Liquid
Melting Point:	-139 °F / -95 °C (toluene)	pH:	Neutral
Odor:	Sharp, aromatic odor.	Solubility:	Insoluble in water.
Vapor Pressure:	33 mmHg @ 68 °F / 20 °C (isopropyl alcohol)	Appearance:	Gray Liquid
Octanol/Water Partition Coeff.:	Unknown		
VOC (as packaged -less exempts and water):	4.46 lbs/gal or 535 g/L	VOC (as applied*-less exempts and water):	4.27 lbs/gal or 512 g/L
Percent Solids by weight – as packaged:	57.5 %	Percent Solids by weight – as applied*:	32.6 %
VHAP Content by weight – as packaged:	32.5 %	VHAP Content by weight – as applied*:	14.4 %

*NOTE: VOC as applied per mixing directions 1:1.25 Ready to Spray Dilution with Universal VOC Reducer.

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.

Hazardous Decomposition: May form: carbon dioxide, carbon monoxide, nitrogen oxides and various hydrocarbons.

Chemical Stability: Stable under normal handling conditions.

Incompatibility: Avoid contact in uncontrolled conditions with: strong oxidizing agents, acids, isocyanates, alkalis and halogens.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD ₅₀ Oral-Rat	LC ₅₀ Inhalation-Rat
Toluene	108-88-3	5,000 mg/kg	N/E
Isobutyl Acetate	110-19-0	13,400 mg/kg	N/E

MATERIAL SAFETY DATA SHEET

Date Prepared: 04/01/03

Page: 6

Dura Build Gray

MSDS Number: 110001

Isopropyl Alcohol	67-63-0	5,045 mg/kg	N/E
Xylene	1330-20-7	4,300 mg/kg	5,000 ppm/4H
Ethyl Benzene	100-41-4	3,500 mg/kg	N/E

Carcinogenicity: See Cancer Information, Section 3.

Mutagenicity: No significant evidence found.

Teratogenicity: Possible birth defects hazard. Toluene may be harmful to the human fetus based on positive results with laboratory animals.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This material should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitability.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (USA) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

Component	RQ (lbs.)
Toluene	1000
Isobutyl Acetate	5000
Ethyl Benzene	1000
Xylene	100

SARA Title III: Section 302- Extremely Hazardous Substances
None

MATERIAL SAFETY DATA SHEET

Date Prepared: 04/01/03

Page: 7

Dura Build Gray

MSDS Number: 110001

SARA Title III: Section 313- Toxic Chemical List

<u>Component</u>	<u>CAS Number</u>	<u>Percentage</u>
Toluene	100-42-5	25 - 30 %
Isopropyl Alcohol	67-63-0	5 - 10 %
Xylene	1330-20-7	1 - 5 %
Ethyl Benzene	100-41-4	0 - 2 %

EPA Hazardous Air Pollutants (HAPS) 40 CFR 63

<u>Component</u>	<u>CAS Number</u>	<u>Percentage</u>
Toluene	100-42-5	29 %
Xylene	1330-20-7	3 %
Ethyl Benzene	100-41-4	0.5 %

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.

DSL (Canada) The intentional ingredients of this product are listed.

WHMIS Classification

Health Hazard: D2A, D2B (Other Toxic Effects)

Physical Hazard: B2 (Flammable)

State and Local Regulations

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer. CARBON BLACK, BENZENE

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. TOLUENE, BENZENE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health - 2*, Flammability - 3, Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: If product is to be sanded, the OSHA PEL/TLV of 10 mg/m³ for nuisance dust should be observed.

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.