

MATERIAL SAFETY DATA SHEET
DUR-O-BOND FC VE4400

Printed: 4/4/08

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SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME: DUR-O-BOND FC VE4400
CHEMICAL FAMILY: VINYL ESTER RESIN CAS Number: N/A
Manufacturer: DURANT PERFORMANCE COATINGS
112 RAILROAD STREET
REVERE, MA 02151
Information: 800-420-0021 / www.durantcorp.com

FOR U.S. TRANSPORTATION EMERGENCIES CALL CHEMTREC (800) 424-9300

HMIS CODES: Least (0) → Greatest (4)

HEALTH HAZARD 2
REACTIVITY HAZARD 2

FLAMMABILITY HAZARD 3
PERSONAL PROTECTION F

SECTION IIA: HAZARDOUS INGREDIENTS (To Nearest 1.00%)

Ingredient	CAS Number	% by Wt.	% by Vol.	LEL	Vapor Press.
1. STYRENE MONOMER	100-42-5	24	32.5	1.1	4.30

NA = Not Applicable; NE = Not Established

SECTION IIB: OCCUPATIONAL EXPOSURE LIMITS

Ingr. #	---OSHA PEL's---		-----ACGIH TLV's-----			
	OSHA ppm	OSHA mg/m3	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
1.	100	NA	20	NA	40	NA
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OSHA: NA
ACGIH: NA

NA = Not Applicable; NE = Not Established

SECTION III: PHYSICAL DATA

Boiling Range (degrees F): 293.00 - 293.00 Pounds per Gallon: 10.08
Vapor Density: HEAVIER THAN AIR Evaporation Rate: SLOWER THAN ETHER
Solubility in Water: NIL

Volatiles (%)	<u>by Weight</u>	<u>by Volume</u>
Total	24	32.5
Exempt VOC	0	0
Non-exempt	24	32.5

VOC = 2.44 lbs non-exempt solvent per adjusted gallon
Appearance: Off White Paste

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SECTION IV: FIRE & EXPLOSION HAZARD DATA

Flammability Classification:

OSHA: NA DOT: RESIN SOLUTION CLASS 3 FLAMMABLE LIQUID, UN 1866, PG III

Flash Point: 88°F (Method: Tcc)

UEL: 6.1

Extinguishing Media: CO₂, water, foam

Unusual Fire and Explosion Hazards: Extremely explosive in the presence of open flames and sparks.

Special Firefighting Procedures: At higher temperatures, polymerization may lead to container explosion

SECTION V: HEALTH HAZARD DATA

Effects of Overexposure:

Possible carcinogen, repeated exposure can result in organ deterioration, dizziness, eye irritation, and dermatitis.

Medical Conditions Prone to Aggravation by Exposure:

Repeated exposure to a highly toxic material may produce general deterioration of health by accumulation in one or many human organs.

Primary Routes of Entry into the Body, and Effects:

Absorbed through skin, dermal contact, eye contact, inhalation, and/or ingestion

EMERGENCY FIRST-AID PROCEDURES

FLUSH EYES WITH WATER, WASH SKIN WITH SOAP AND WATER, MOVE VICTIM SUFFERING FROM INHALATION TO A WELL VENTILATED AREA, INGESTION-DO NOT INDUCE VOMITING IN ALL CASES, SEEK MEDICAL ATTENTION

SECTION VI: REACTIVITY DATA

Stability: UNSTABLE

Hazardous Polymerization: MAY OCCUR.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide

Conditions to Avoid: Sparks, open flame

Incompatibilities (Materials to Avoid): Sources of ignition

SECTION VII: SPILL OR LEAK PROCEDURES; WASTE DISPOSAL

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignitions.

Ventilate area. Absorb spill with an absorbent material such as sawdust, vermiculite or sand and place in closed container. If large spill, dike the area to prevent this material from entering water systems or sewers.

WASTE DISPOSAL METHOD: Dispose in accordance with Federal, State and local regulations. If discarded, this material and containers are considered RCRA hazardous wastes based on characteristic of ignitability (40 CFR 261.21).

For further information contact your local solid waste agency or state or United States Environmental Protection Agency's RCRA hotline (800) 424-9346 or (202) 382-3000.

SECTION VIII: SAFE HANDLING AND USE INFORMATION

Respiratory Protection

Use a MSHA/NIOSH approved respirator or equivalent at high concentrations.

Ventilation

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below the threshold limit value.

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Protective Gloves: Chemical resistant gloves if contact is possible.

Eye Protection: Splash goggles, safety glasses

Other Protective Equipment: Boots, flame retardant clothing.

Hygienic Practices: WASH SKIN WITH SOAP AND WATER.

SECTION IX: SPECIAL PRECAUTIONS

Handling and Storing:

Flammable liquid and vapor. Keep away from sources of ignition. Keep in a cool place.

Other Precautions:

Keep container tightly closed. Keep in a cool, well ventilated place.

Do not store for extended periods. Avoid plastic, copper and copper alloy containers.

SECTION X: SUPPLEMENTAL INFORMATION

REGULATORY INFORMATION:

OSHA: These products are considered hazardous under the Federal OSHA Hazard Communication Standard.

VOC: DUR-O-BOND FCVE4400 = 2.44 lbs/GL = 293 g/L

VOC of material with mixed component B (Hardener) = 0

SARA TITLE III:

Styrene is listed as a SARA toxic chemical and is subject to the reporting requirements of section 313 Title III of the Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372.

TSCA: All ingredients in this product are listed in the TCA Inventory.

All statements, technical information, and recommendations contained herein are based upon available scientific tests or data which we believe to be reliable. Since we can not anticipate all conditions under which this information and our product or products of other manufacturers in combination with our product may be used. DURANT PERFORMANCE COATINGS makes no warranties, express or implied, and assumes no responsibility in connection with any use of this information.

END OF MSDS