

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME
FLEX® Coatings, Inc.

EMERGENCY TELEPHONE NO.
(916) 837-6605

DATE OF PREPARATION:
11/09/1992

INFORMATION TELEPHONE NO.
(916) 925-3065

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER: 11
PRODUCT NAME: ***FLEX*® BLACK**
PRODUCT CLASS: ELASTOMERIC ASPHALT EMULSION
CHEMICAL NAME: ASPHALT, CLAY AND WATER EMULSION
CAVES NUMBER: N/A COMPLETE MIXTURE
PRODUCT APPEARANCE & ODOR: A moderately thick, dark brown to black colored liquid with a petroleum-like odor.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	ACGLH TLV	APPROXIMATE WT% CNTN.
Petroleum Asphalt	8052-42-4	5.0mg/m ³ (fume)	Less Than 40%
Inorganic Fillers		0.39mg/m ³ *	Less Than 10%
Acrylic Copolymer		Non-Hazardous	Less Than 20%
Water		Non-Hazardous	Greater Than 40%

* As respirable dust based on free silica content.

Hazardous Material Identification Systems (HMIS)

HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

Document ID: AC MSDSSS

Revision Date: March 24, 1998

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(916) 837-6605

DATE OF PREPARATION:

06/09/1992

INFORMATION TELEPHONE NO.

(916) 925-3065

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER:

3150

PRODUCT NAME:

FLEX® WHITE ROOF COATING

PRODUCT CLASS:

ACRYLIC

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WEIGHT %	OCCUPATIONAL EXPOS. LIMIT	VAPORPRESS. MM HG., & TEMP
Titanium Dioxide	13463-67-7	<5.0%	PEL 10mg/kg TLV 15mg/kg	0.0 20c
2-N-Octyl-4- Isothiaolin - 3-one	26536-26-1	<0.5%	Not Established	0.2 20c
Texanol	25265-77-4	58%	N.E.	1.0 20c
Ethelene Glycol	167-21-1	<5.0%	50/PPm TLV-CEILING	0.1 20c
Ammonium Hydroxide+	1336-21-6	<0.5%	18mg/M3TLV/ 25PPm ACHIH	0.0 20c

SECTION III - PHYSICAL DATA

BOILING RANGE: >200°F

VAPOR DENSITY: LIGHTER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

% VOLATILE VOLUME: 44:73

WT/GAL: 12:00

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FLEX® Coatings, Inc.

EMERGENCY TELEPHONE NO.

(916) 837-6605

DATE OF PREPARATION:

06/09/1992

INFORMATION TELEPHONE NO.

(916) 925-3065

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER:

PRODUCT NAME:

FLEX® WHITE WALL COATING

PRODUCT CLASS:

ACRYLIC EMULSION

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WEIGHT %	OCCUPATIONAL EXPOS. LIMIT	VAPORPRESS. MM HG., & TEMP
Titanium Dioxide	13463-67-7	<5.0%	PEL 10mg/kg TLV 15mg/kg	0.0 20c
2-N-Octyl-4- Isothiaolin - 3-one	26536-26-1	<0.5%	Not Established	0.2 20c
Texanol	25265-77-4	58%	N.E.	1.0 20c
Ethelene Glycol	167-21-1	<5.0%	50/PPm TLV-CEILING	0.1 20c
Ammonium Hydroxide+	1336-21-6	<0.5%	18mg/M3TLV/ 25PPm ACHIH	0.0 20c

SECTION III - PHYSICAL DATA

BOILING RANGE: >200°F

VAPOR DENSITY: LIGHTER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

% VOLATILE VOLUME: 44:73

WT/GAL: 12:00

Document ID: AC MSDS

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MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME
FLEX® Coatings, Inc.

EMERGENCY TELEPHONE NO.
(916) 837-6605

DATE OF PREPARATION:
05/27/1991

INFORMATION TELEPHONE NO.
(916) 925-3065

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER: R 1
PRODUCT NAME: **RUST ENDER**
PRODUCT CLASS: EMULSION

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WEIGHT %	OCCUPATIONAL EXPOS. LIMIT	VAPORPRESS. MM HG., & TEMP
Propylene Glycol	57-55-6	<5.0%	Not Established	0.2 20c
Aliphatic Alcohol	67-63-0	5	TWA: 400PPm STEL: 500PPm	30.0 68c
2-(2-AUTO-XYETHOXY) Ethanol	112-34-5	<5.0%	Not Established	30.0 130c
Silicon Dioxide	112926-0-8	<5.0%	PEL: 6mg/m3 TLV: 10mg/m3	0.0 20c
Organic Glycol	PROPRIETARY	<5.0%	Not Established	0.0 20c

SECTION III - PHYSICAL DATA

BOILING RANGE: 212°F
EVAPORATION RATE: SLOWER THAN ETHER
WT/GAL: 8:34

VAPOR DENSITY: LIGHTER THAN AIR
% VOLATILE VOLUME: 65.16

Document ID: AC RUST

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EMERGENCY TELEPHONE NO.

(916) 837-6605

INFORMATION TELEPHONE NO.

(916) 925-3065

DATE OF PREPARATION:

02/07/1992

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER:

40 100

PRODUCT NAME:

40 100 *FLEX*® DECK P/D EPOXY MODIFY

PRODUCT CLASS:

ACRYLIC EPOXY MODIFIED

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WEIGHT %	OCCUPATIONAL VAPORPRESS.	
			EXPOS. LIMIT	MM HG., & TEMP
Ethelene	107-21-1	<5.0%	56/PPm	0.1 20c
Glycol		10.0	TLV-Ceiling	0.0
Epoxy Ester Emulsion	64742-94-5	10%	Not Established	20.0 20c
Texanol	25265-77-4	0.78	N.E.	1.0 20c

SECTION III - PHYSICAL DATA

BOILING RANGE: >200°F

VAPOR DENSITY: LIGHTER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

% VOLATILE VOLUME: 60.31

WT/GAL: 10.62

Document ID: AC MSDSS

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

FLASH POINT: >200 LEL: 1.9

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO₂, DRY CHEMICAL, WATER, FOG, OTHER.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR FIRE

SPECIAL FIRE FIGHTING PROCEDURES:

WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE

INHALATION:

DIZZINESS, DIFFICULT BREATHING, HEADACHES, AND LOSS OF COORDINATION

EYE CONTACT:

SEVERE EYE IRRITATION, AND DERMATITIS.

SKIN CONTACT:

IRRITATION OF SKIN, PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS.

INGESTION:

MAY CAUSE FATIGUE, DIZZINESS, NAUSEA, VOMITING, DIARRHEA, LIVER DAMAGE.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

EYE, SKIN, RESPIRATORY DISORDERS, KIDNEY DISORDERS.

PRIMARY ROUTE(S) OF ENTRY:

DERMAL INHALATION, INGESTION

EMERGENCY AND FIRST AID PROCEDURES

INHALATION OVEREXPOSURE:

MOVE PERSON TO FRESH AIR. IF BREATHING STOPS, APPLY ARTIFICIAL RESPIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.

EYE CONTACT:

FLUSH WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES.

SKIN CONTACT:

WASH THOROUGHLY WITH SOAP AND WATER AND SEE A DOCTOR.

INGESTION:

DO NOT INDUCE VOMITING, CAN CAUSE CHEMICAL PNEUMONITIS AND PULMONARY EDEMA, CONTACT PHYSICIAN IMMEDIATELY.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE.

CONDITION TO AVOID: ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT.

INCOMPATIBILITY: (MATERIALS TO AVOID): ALKALINE MATERIALS, STRONG ACIDS AND OXIDIZING MATERIALS.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Eliminate ignition sources, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid. Thoroughly wet with water and mix.

WASTE DISPOSAL METHOD:

Collect or absorb water, spilled liquid mixture into metal containers and add enough water to cover. Consult local, state & federal hazardous waste regulate before disposing into approved hazardous waste landfills. Obey relevant laws.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

When spraying this material use a NIOSH approved cartridge respirator or gas masked suitable to keep airborne mist vapor concentrations below the time weighted threshold limit values. When using in poorly ventilated and confined spaces use a fresh-air supplying respirator or a self contained breathing apparatus.

VENTILATION:

General mechanical ventilation or local exhaust should be suitable to keep vapor concentration below TLV. Ventilation equipment must be explosive proof.

PROTECTIVE GLOVES:

Impermeable chemical gloves for skin protection.

EYE PROTECTION:

Use chemical safety glasses, goggles, and face shields for eye protection.

OTHER PROTECTION EQUIPMENT:

Use impermeable aprons and protective clothing whenever possible to prevent skin contact.

HYGIENIC PRACTICES:

Eye washes and safety showers in the work place is recommended.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Use non-sparking utensils when handling this material, avoid hot metal surfaces keep away from excessive heat and open flames.

OTHER PRECAUTIONS:

- Smoking in area where this material is used should be strictly prohibited.
- Some color may contain Lead Pigments.