

Date of Preparation: 01/02/04

Section 1 - Chemical Product and Company Identification

Product Name: Thermofix
Chemical Formula: Mixture
CAS Number: Mixture
Manufacturer: CRAFCO, Inc. 420 N. Roosevelt Chandler, AZ 85226
EMERGENCY TELEPHONE NUMBERS: 1(602) 276-0406 Normal Business Hours
 Chemtrec 1(800) 424-9300 After Business Hours

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt.
Hydrogenated Petroleum Hydrocarbon Resin	68132-00-3	15-30%
Hydrotreated Heavy Napthenic Distillate	64742-52-5	5-15%
Petroleum Hydrocarbon Resin	62258-49-5	1-10%
Parrafinic Hydrocarbons	8002-74-2	1-10%-
Ethylene-Butadiene Block Copolymer	66070-58-4	1-15%
Titanium Dioxide	13463-67-7	1-10%
Mineral Filler	1317-65-3	20-40%

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Hydrocarbon Resin	N.E.	N.E.	N.E..	N.E.	N.E.	N.E.	N.E.
Distillate	5 mg/m3	N.E.	10 mg/m3	N.E.	N.E.	N.E.	N.E.
Resin	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
Parrafinic	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
EBS Copolymer	N.E.	N.E.	N.E..	N.E.	N.E.	N.E.	N.E.
TIO2	N.E.	N.E.	10 mg/m3	N.E.	N.E.	N.E.	N.E.
Mineral Filler	15 mg/m3	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.
N.E.- None Established							

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Potential Health Effects

Primary Entry Routes: Inhalation and Absorption
Inhalation: Irritating to mucous membranes and respiratory tract. May produce symptoms of intoxication, such as headache, dizziness, nausea, and loss of coordination.
Eyes: Highly irritating; a significant thermal hazard due to the high temperatures required for application.
Skin: Moderately irritating; hot material will cause severe burns. Prolonged exposure may lead to dermatitis.
Ingestion: Ingestion of hot material will cause severe burns.
Carcinogenicity: IARC, NTP, ACGIH and OSHA do not list product as a carcinogen.
Medical Conditions Aggravated by Long-Term Exposure: Respiratory problems.

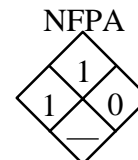
HMIS
H 1
F 1
R 0
PPE †
 †Sec. 8

Section 4 - First Aid Measures

Inhalation: Remove to fresh air . Apply artificial respiration if necessary. Seek medical attention.
Eye Contact: Flush thoroughly with water. If hot material contacts eyes; flush continuously and seek medical attention.
Skin Contact: Cool burn with water. Remove material with mineral oil, soap and water. Do not use solvents. If necessary seek medical attention.
Ingestion: Do not induce vomiting. Seek medical attention.

Section 5 - Fire-Fighting Measures

Flash Point: 424F minimum
Autoignition Temperature: >700F
Lower Explosive Level (LEL): Not determined
Upper Explosive Limit (UEL): Not determined
Flammability Classification: Class IIB
Extinguishing Media: Dry Chemical, Carbon Dioxide
Unusual Fire or Explosion Hazards: This product may ignite when sufficient heat is applied. It has been found that in hot application equipment low flash substances may accumulate in the vapor space. Keep ignition sources away from melter opening.
Combustion Products: Carbon Monoxide, Carbon Dioxide
Fire-Fighting Instructions and Equipment: Use of foam or water may cause frothing. Do not release runoff from fire control methods to sewers or waterways.



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Stop spill at source. Confine spill by diking or impoundment. Remove sources of heat or ignition. Clean-up spill but do not flush to sewer or surface water, Ventilate area and avoid breathing vapors or mists.

Section 7 - Handling and Storage

Handling and Storage Precautions: Keep pallets intact during storage. Packages of unused material present no known safety or health hazards.
Work / Hygienic Practices: Use appropriate hygiene practices.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Not applicable
Eye / Face Protection: Safety glasses or goggles
Skin Protection: Wear protective clothing to prevent prolonged exposure and burns
Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH approved respirator.

Section 9 - Physical and Chemical Properties

Physical State: Liquid when hot	Water Solubility: Negligible
Appearance: gray liquid	Boiling Point: Not available
Odor: hydrocarbon	Melting Point: 190-250F
Vapor Pressure: Not available	% Volatile: <2
Vapor Density (Air=1): Not available	Evaporation Rate: <1
Specific Gravity (H₂O=1): 1.9	pH: 5-6

Section 10 - Stability and Reactivity

Stability: Stable
Polymerization: Hazardous polymerization will not occur
Chemical Incompatibilities: Not determined
Conditions to Avoid (Stability): Strong oxidizing materials
Hazardous Decomposition Products: Various oxides of carbon

Section 11- Toxicological Information

Acute Studies: No data

Eye Effects: Hot material will produce thermal burns

Skin Effects: Hot material will produce thermal burns

Acute Oral Effects: No data

Acute Inhalation Effects: No data

Section 12 - Ecological Information

Ecotoxicity: No data

Environmental Transport: No data

Environmental Degradation: No data

Soil Absorption: No data

Section 13 - Disposal Considerations

This product, as supplied, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261). Under the Resource Conservation and Recovery Act, it is the responsibility of the user to determine, at the time of disposal, whether the material is a hazardous waste subject to RCRA.

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can occur only in properly permitted facilities. Check state and local regulations for any additional requirements, as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state and local regulations.

Section 14 - Transport Information

Ambient Temperature Material (solid in box)
Proper Shipping Name: Not regulated by DOT
Hazard Class: Not Applicable
DOT ID No.: Not Applicable
DOT Shipping Label: Not regulated by DOT

Hot Material (liquid above 212F)
Proper Shipping Name: Elevated Temperature Liquid N.O.S.
Hazard Class: 9
Packing Group: PGIII
Labels Required: Class 9
Placards Required: "HOT" UN3257

Section 15 - Regulatory Information

U.S. Federal Regulatory Information:

SARA 311 Categories:	Immediate (Acute) Health Effects	No
	Delayed (Chronic) Health Effects	No
	Fire Hazard	No
	Sudden Release of Pressure Hazard	No
	Reactivity Hazard	No

EPA/TSCA Inventory: Yes

State Regulations: The following chemicals are specifically listed by individual states, for details on each states regulatory requirements you should contact the appropriate agency in that state.

Pennsylvania Right-to-Know- Limestone (calcium carbonate)

Rhode Island Hazardous Substance List- Limestone (calcium carbonate)

Minnesota Right-to-Know- Limestone (calcium carbonate)

Massachusetts Right-to-Know- Limestone (calcium carbonate)

California Proposition 65 Carcinogens or Reproductive Toxins List: This product contains a chemical known by the State of California to cause cancer, birth defects, or other reproductive harm.

Other Regulations: None known

Foreign Inventories: None known

Section 16 - Other Information

NFPA Hazard Rating

- Health	1 Slight
- Fire	1 Slight
- Reactivity	0 Least

Prepared By: John Hobbs **Phone:** 1(602) 276-0476

Preparation Date: 04/24/03

Supersedes MSDS Dated: 02/4/00

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