Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier
3M Scotchkote Fast Curing Floor Coating XF 895, Red (Part A)

Product Identification Numbers
GR-2001-1203-9

1.2. Recommended use and restrictions on use

Recommended use
Coating, Fast curing floor coating

1.3. Supplier's details

MANUFACTURER:	3M
DIVISION:	3M United Kingdom Electrical Markets Division
ADDRESS:	3M Center, St. Paul, MN 55144-1000, USA
Telephone:	1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number
1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification
Skin Sensitizer: Category 1.

2.2. Label elements
Signal word
Warning

Symbols
Exclamation mark |

Pictograms

Hazard Statements
May cause an allergic skin reaction.

Precautionary Statements

Prevention:
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wear protective gloves.
Contaminated work clothing must not be allowed out of the workplace.

Response:
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

Disposal:
Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

2.3. Hazards not otherwise classified
None.

13% of the mixture consists of ingredients of unknown acute dermal toxicity.
26% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
DL-ASPARTIC ACID, N,N'-(METHYLENEDI-4,1-CYCLOHEXANEDIYL)BIS-, TETRAETHYL ESTER	136210-30-5	60 - 70 Trade Secret *
BARIUM SULFATE	7727-43-7	10 - 20 Trade Secret *
IRON OXIDE (FE2O3)	1309-37-1	1 - 10 Trade Secret *
ZEOLITES	1318-02-1	1 - 10 Trade Secret *
DIETHYL FUMARATE	623-91-6	< 5 Trade Secret *
NON-HAZARDOUS INGREDIENTS	Mixture	< 5
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	64742-46-7	< 5 Trade Secret *
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	< 1 Trade Secret *

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact:
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye Contact:
Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If Swallowed:
Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
See Section 11.1. Information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required
Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media
In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture
None inherent in this product.

Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

5.3. Special protective actions for fire-fighters
No unusual fire or explosion hazards are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate area. Ventilate the area with fresh air. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
For industrial or professional use only. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage including any incompatibilities
No special storage requirements.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
IRON OXIDE (FE2O3)	1309-37-1	Amer Conf of Gov. Indust. Hyg.	TWA(respirable fraction):5 mg/m3	
IRON OXIDE (FE2O3)	1309-37-1	US Dept of Labor - OSHA	TWA(as fume):10 mg/m3	
ROUGE	1309-37-1	US Dept of Labor - OSHA	TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3	
Aluminum, insoluble compounds	1318-02-1	Amer Conf of Gov. Indust. Hyg.	TWA(respirable fraction):1 mg/m3	
Mineral oils (untreated and mildly treated)	64742-46-7	Amer Conf of Gov. Indust. Hyg.	Limit value not established:	Cntrl all exposr-low as possib
Paraffin oil	64742-46-7	US Dept of Labor - OSHA	TWA(as mist):5 mg/m3	
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	64742-46-7	Chemical Manufacturer Rec Guid	TWA:300 ppm	
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Chemical Manufacturer Rec Guid	TWA:165 ppm	
JET FUELS (NON-AEROSOL), AS TOTAL HYDROCARBON VAPOR	64742-47-8	Amer Conf of Gov. Indust. Hyg.	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3	Skin Notation
Kerosine (petroleum)	64742-47-8	Amer Conf of Gov. Indust. Hyg.	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3	Skin Notation
BARIUM SULFATE	7727-43-7	Amer Conf of Gov. Indust. Hyg.	TWA:10 mg/m3	
BARIUM SULFATE	7727-43-7	US Dept of Labor - OSHA	TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3	
NON-HAZARDOUS INGREDIENTS	Mixture	Chemical Manufacturer Rec Guid	CEIL:5 mg/m3	
SILICA, AMORPHOUS	Mixture	US Dept of	TWA concentration:0.8	

		Labor - OSHA	mg/m3;TWA:20 millions of particles/cu. ft.	

Amer Conf of Gov. Indust. Hyg. : American Conference of Governmental Industrial Hygienists
American Indust. Hygiene Assoc : American Industrial Hygiene Association
Chemical Manufacturer Rec Guid : Chemical Manufacturer's Recommended Guidelines
US Dept of Labor - OSHA : United States Department of Labor - Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls
Curing enclosures must be exhausted to outdoors or to a suitable emission control device. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Wear eye/face protection. Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Indirect Vented Goggles

Skin/hand protection
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Wear protective gloves and protective clothing.
Gloves made from the following material(s) are recommended: Polymer laminate

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

Respiratory protection

In case of inadequate ventilation wear respiratory protection. An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Physical Form:	Liquid
Odor, Color, Grade:	Faint ester odor; Red color
Odor threshold	*No Data Available*
pH	*No Data Available*
Melting point	*Not Applicable*
Boiling Point	185 ºC

Flash Point	145 ºC [*Test Method:* Closed Cup]
Evaporation rate	*No Data Available*
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	*Not Applicable*
Flammable Limits(UEL)	*Not Applicable*
Vapor Pressure	6 mmHg [@ 20 ºC]
Vapor Density	*No Data Available*
Density	1.30 g/ml
Specific Gravity	1.30 [*Ref Std:* WATER=1]
Solubility in Water	Negligible
Solubility- non-water	*No Data Available*
Partition coefficient: n-octanol/ water	*No Data Available*
Autoignition temperature	365 ºC
Decomposition temperature	*No Data Available*
Viscosity	*No Data Available*
Volatile Organic Compounds	12 g/l [*Test Method:* Estimated] [*Details:* EU Definition (Part A and B mix)]
Percent volatile	1.56 % volume

SECTION 10: Stability and reactivity

10.1. Reactivity
This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Alcohols
Amines

10.6. Hazardous decomposition products

Substance	Condition
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be

present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:
Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact:
Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye Contact:
Vapors released during curing may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion:
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Toxicological Data
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE > 5,000 mg/kg
Overall product	Inhalation-Dust/Mist(4 hr)		No data available; calculated ATE > 12.5 mg/l
Overall product	Ingestion		No data available; calculated ATE > 5,000 mg/kg
DL-ASPARTIC ACID, N,N'-(METHYLENEDI-4,1-CYCLOHEXANEDIYL)BIS-, TETRAETHYL ESTER	Dermal		estimated to be > 5,000 mg/kg
DL-ASPARTIC ACID, N,N'-(METHYLENEDI-4,1-CYCLOHEXANEDIYL)BIS-, TETRAETHYL ESTER	Inhalation-Dust/Mist		estimated to be > 12.5 mg/l
DL-ASPARTIC ACID, N,N'-(METHYLENEDI-4,1-CYCLOHEXANEDIYL)BIS-, TETRAETHYL ESTER	Inhalation-Vapor		estimated to be > 50 mg/l
DL-ASPARTIC ACID, N,N'-(METHYLENEDI-4,1-CYCLOHEXANEDIYL)BIS-, TETRAETHYL ESTER	Ingestion		estimated to be > 5,000 mg/kg
BARIUM SULFATE	Ingestion	Rat	LD50 > 15,000 mg/kg
IRON OXIDE (FE2O3)	Dermal	Not available	LD50 3,100 mg/kg
IRON OXIDE (FE2O3)	Ingestion	Not available	LD50 3,700 mg/kg
ZEOLITES	Dermal	Rabbit	LD50 > 2,000 mg/kg
ZEOLITES	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 4.57 mg/l
ZEOLITES	Ingestion	Rat	LD50 > 5,000 mg/kg
DIETHYL FUMARATE	Dermal	Rabbit	LD50 750-1000 mg/kg
DIETHYL FUMARATE	Ingestion	Rat	LD50 1,367 mg/kg
NON-HAZARDOUS INGREDIENTS	Dermal	Rabbit	LD50 > 5,000 mg/kg
NON-HAZARDOUS INGREDIENTS	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
NON-HAZARDOUS INGREDIENTS	Ingestion	Rat	LD50 > 5,110 mg/kg
SOLVENT REFINED HYDROTREATED MIDDLE	Dermal	Rabbit	LD50 > 2,000 mg/kg

DISTILLATE			
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	Inhalation-Dust/Mist (4 hours)	Rat	LC50 4.6 mg/l
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	Ingestion	Rat	LD50 > 5,000 mg/kg
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Dermal	Rabbit	LD50 > 3,160 mg/kg
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 3.0 mg/l
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
IRON OXIDE (FE2O3)	Rabbit	No significant irritation
NON-HAZARDOUS INGREDIENTS	Rabbit	No significant irritation
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	Rabbit	Minimal irritation
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Rabbit	Mild irritant

Serious Eye Damage/Irritation

Name	Species	Value
BARIUM SULFATE	Rabbit	No significant irritation
IRON OXIDE (FE2O3)	Rabbit	No significant irritation
NON-HAZARDOUS INGREDIENTS	Rabbit	No significant irritation
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	Not available	Mild irritant
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Rabbit	Mild irritant

Skin Sensitization

Name	Species	Value
IRON OXIDE (FE2O3)	Human	Some positive data exist, but the data are not sufficient for classification
NON-HAZARDOUS INGREDIENTS	Human and animal	Not sensitizing
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Guinea pig	Not sensitizing

Respiratory Sensitization

Name	Species	Value

Germ Cell Mutagenicity

Name	Route	Value
IRON OXIDE (FE2O3)	In Vitro	Not mutagenic
NON-HAZARDOUS INGREDIENTS	In Vitro	Not mutagenic
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	In Vitro	Some positive data exist, but the data are not sufficient for classification
HYDROTREATED LIGHT PETROLEUM DISTILLATES	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
IRON OXIDE (FE2O3)	Inhalation	Human	Some positive data exist, but the data are not sufficient for classification
NON-HAZARDOUS INGREDIENTS	Not Specified	Mouse	Some positive data exist, but the data are not sufficient for classification
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
NON-HAZARDOUS INGREDIENTS	Ingestion	Not toxic to female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
NON-HAZARDOUS INGREDIENTS	Ingestion	Not toxic to male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
NON-HAZARDOUS INGREDIENTS	Ingestion	Not toxic to development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	Inhalation	central nervous system depression | respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Not available	NOAEL NA	
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Not available	NOAEL NA	
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL Not available	
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
BARIUM SULFATE	Inhalation	pneumoconiosis	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
IRON OXIDE (FE2O3)	Inhalation	pulmonary fibrosis | pneumoconiosis	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
NON-HAZARDOUS INGREDIENTS	Inhalation	respiratory system | silicosis	All data are negative	Human	NOAEL Not available	occupational exposure

Aspiration Hazard

Name	Value
SOLVENT REFINED HYDROTREATED MIDDLE DISTILLATE	Aspiration hazard
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Aspiration hazard

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

Ecotoxicological information

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

SECTION 13: Disposal considerations

13.1. Disposal methods
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

EPA Hazardous Waste Number (RCRA): D008 (Lead), D009 (Mercury)

SECTION 14: Transport Information

For Transport Information, please visit **http://3M.com/Transportinfo** or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information

15.1. US Federal Regulations
Contact 3M for more information.

311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

15.2. State Regulations
Contact 3M for more information.

15.3. Chemical Inventories
The components of this product are in compliance with the chemical notification requirements of TSCA.

Contact 3M for more information.

15.4. International Regulations
Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information

NFPA Hazard Classification
Health: 2 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

HMIS Hazard Classification

Health: 2 **Flammability:** 1 **Physical Hazard:** 0 **Personal Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS® III) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® III ratings are to be used with a fully implemented HMIS® III program. HMIS® is a registered mark of the American Coatings Association (ACA).

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