Safety Data Sheet

RCC Corrosion Control / SDS #: RCC-23020 / Revision Date: 05/23/2022

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SMOOTHING LIQUID F-20

Chemical Family: Xylene-based

Product Use: Coating material

Manufacturer: RCC Corrosion Control
1450 Hoff Industrial Drive
O'Fallon, MO 63366
Phone: 636-697-4659

24-Hour Emergency Phone Number: North America: 800-424-9300 (CHEMTREC)
International: 703-527-3887 (CHEMTREC) Collect Calls Accepted

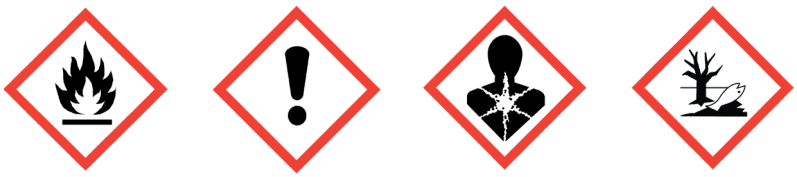
2. HAZARD IDENTIFICATION

Health Hazards
Acute Toxicity, Oral, Inhalation Category 4
Skin Irritation, Category 2
Eye Irritation, Category 2B
Carcinogenicity, Category 2
Reproductive Toxicity, Category 1A
Specific Target Organ Systemic Toxicity, Single Exposure, Category 3, Central Nervous System [Inhalation]
Specific Target Organ Systemic Toxicity, Repeated Exposure, Category 2, Central Nervous System, Kidneys, Liver [Inhalation, Skin absorption, Ingestion]
Aspiration Hazard, Category 1

Physical Hazards
Flammable Liquid, Category 3

Environmental Hazards
Chronic Aquatic Toxicity, Category 1

GHS-Labeling Pictograms:



Signal Word: Danger!
Hazard Statements
H226: Flammable liquid and vapor

H303: Can be harmful if swallowed
H304: May be fatal if swallowed and enters airways
H315: Causes skin irritation
H320: Causes eye irritation
H332: Harmful if inhaled
H336: May cause drowsiness or dizziness
H351: Suspected of causing cancer
H373: May cause damage to organs through prolonged or repeated exposure
H410: Very toxic to aquatic life with long lasting effects

Precautionary Statements
Prevention:
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233: Keep container tightly closed.
P235: Keep cool.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe vapors.
P263: Avoid contact during pregnancy/while nursing.
P264: Wash skin and exposed areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281: Use personal protective equipment as required.

Response:
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309 + P311: IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P314: Get medical advice/attention if you feel unwell.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P332 + P313: If skin irritation occurs: Get medical advice/attention.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P370 + P378: In case of fire: Use alcohol-resistant foam, carbon dioxide, or dry chemical for extinction.
P362: Take off contaminated clothing and wash before reuse.
P391: Collect spillage.

Storage:

P403 + P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Disposal:
P501: Dispose of contents/container in accordance with local, regional, and federal regulations.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization

Component*	CAS #	Weight %
Xylene	1330-20-7	75 - 90
Ethylbenzene	100-41-4	5 - 15
Toluene	108-88-3	1 - 5

4. FIRST AID MEASURES:

Inhalation
Symptoms & Effects: Nose, throat and lung irritation, respiratory tract irritation, nausea, headache, dizziness, drowsiness, central nervous system depression, shortness of breath and confusion
Measures: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep victim warm and quiet. If respiratory symptoms develop or if victim feels unwell, seek medical attention. If breathing is difficult, administer oxygen.

Note to Physicians: Inhalation of high concentrations of this material, as could occur in confined spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

Skin Contact
Symptoms & Effects: Skin irritation, redness, allergic skin reactions, burning sensation, and drying.
Measures: Immediately wash skin with soap and plenty of water. Remove contaminated clothing and shoes while washing. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact
Symptoms & Effects: Eye irritation, tearing, redness, stinging and swelling of the eyes.
Measures: Immediately rinse eyes with water for at least 20 minutes. Remove contact lenses after the initial few minutes and if easy to do so and resume rinsing. Rinse beneath the eyelids by holding eyelids apart with clean fingers. If eye irritation persists, consult a physician, preferably an ophthalmologist.

Ingestion
Symptoms & Effects: Stomach or intestinal irritation, nausea, vomiting, throat irritation, dizziness, drowsiness, headache, and weakness.

Measures: If swallowed, seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on their left side with their head down. Do not induce vomiting unless directed to do so by medical personnel. Do not leave victim unattended.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, Carbon dioxide, Water spray

Unsuitable Extinguishing Media: Water stream

Hazardous Combustion Products: Hydrocarbons, Aldehydes, Carbon monoxide, Carbon dioxide

Protective Equipment for Fire-Fighters: Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Precautions for Fire-Fighters: Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch on or near drums (even empty) because product (even just residue) can ignite explosively. Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

6. ACCIDENTAL RELEASE MEASURES:

Protective Equipment: Recommended to wear chemical splash goggles & resistant gloves and discard of gloves that show tears, pinholes, or signs of wear. Wear proper garments to prevent skin exposure, such as long-sleeves and pants.

Personal Precautions: Persons not wearing proper PPE should be excluded from the area of contamination until clean-up has been completed. Ensure adequate ventilation. Eliminate all ignition sources (flares, flames including pilot lights, electric sparks, etc.) Pay close attention to the spreading of gases, especially at ground level.

Environmental Precautions: Do not allow discharge into drains, surface waters, or sanitary sewer system. Prevent spreading over a wide area by containment or oil barriers. Local authorities should be advised if significant spillages cannot be contained or if material discharges into drains or ground water.

Methods & Materials for Clean-Up: Contained spilled material with inert, non-combustible absorbent materials (e.g. sand, earth, diatomaceous earth, vermiculite). Transfer to a suitable container for disposal according to proper federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid or solid), all hazard precautious given in this data sheet must be observed. Static ignition hazards can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of this material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published Auto-ignition temperature value cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place, and away from incompatible materials.

Incompatible Materials: Alkalis, Strong acids, Strong oxidizing agents

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits :

Exposure limits have not been established for this product.

Xylene	**CAS # 1330-20-7**	
OSHA	Permissible Exposure Limit (PEL)	100 ppm (435 mg/m^3)
ACGIH	Threshold Limiting Value (TLV)	100 ppm (435 mg/m^3)
NIOSH	Recommended Exposure Limit (REL)	100 ppm (435 mg/m^3)
Ethylbenzene	**CAS # 100-41-4**	
OSHA	Permissible Exposure Limit (PEL)	100 ppm (435 mg/m^3)
ACGIH	Threshold Limiting Value (TLV)	20 ppm (87 mg/m^3)
NIOSH	Recommended Exposure Limit (REL)	100 ppm (435 mg/m^3)
Toluene	**CAS # 108-88-3**	
OSHA	Permissible Exposure Limit (PEL)	200 ppm (435 mg/m^3)
ACGIH	Threshold Limiting Value (TLV)	20 ppm (75 mg/m^3)
NIOSH	Recommended Exposure Limit (REL)	100 ppm (435 mg/m^3)

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below permissible exposure limits. Provide readily accessible eye wash stations and safety showers.

Occupational Exposure Controls: Ensure adequate ventilation, especially in confined areas. Consider all potential hazards of this material, applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting PPE. Ensure that eyewash stations and safety

showers are proximal to the work location. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Protective and Hygiene measures: Do not inhale vapors. Wash hands before breaks and immediately after handling product. When using, do not eat, drink, or smoke. In case of clothes contamination, remove and wash contaminated clothing before re-use. Discard of contaminated leather articles.

Eye Protection: Recommended to wear chemical splash goggles if material could be misted or splashed into the eyes. Have a suitable eye wash station or bottle nearby in case of splashing into the eyes.

Hand Protection: Recommended to wear suitable resistant gloves and discard of gloves that show tears, pinholes, or signs of wear. Suitable gloves will be based on product use and the period of use, and may include neoprene, butyl-rubber, nitrile rubber, etc.

Skin Protection: Minimally recommended to wear long-sleeved clothing, pants and proper foot covering in order to prevent direct skin contact with the product. Recommended to wear impervious clothing, full rubber suits, rubber or plastic boots and slicker suits. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Respiratory Protection: A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid
Odor: Mild
Odor Threshold: No data available
pH: 7
Melting/freezing point: -52.6°F (-47.0°C)
Boiling point: No data available
Boiling range: No data available
Flash point (Tag closed cup): 80°F (27°C)
Evaporation rate: 0.86 n-Butyl Acetate
Flammability: Lower Limit: 1.0% (V) **Upper Limit:** 6.6% (V)
Vapor pressure: 1.065 kPa @ 77°F (25°C)
Vapor density: 3.66 (Air = 1)
Relative density: 0.87 g/cm^3 (7.3 lb/gal) @ 68°F (20°C)
Solubility in water: No data available
Partition coefficient (n-octanol/water): log P_{OW} 3.16
Auto-ignition temperature: 980°F (527°C)
Decomposition temperature: No data available
Viscosity (dynamic): 0.7 cP (0.7 mPa*s)

10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Product will not undergo hazardous polymerization

Conditions to Avoid: Heat, Flames, Sparks, Ignition sources

Incompatible Materials: Alkalis, Strong acids, Strong oxidizing agents
Hazardous decomposition products: Hydrocarbons, Aldehydes, Carbon monoxide, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Primary Routes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact

Symptoms Related to Physical, Chemical and Toxicological Characteristics: Skin irritation, redness, eye irritation, tearing of the eyes, stomach or intestinal irritation, respiratory tract irritation, digestive tract irritation, allergy or asthma symptoms, nose, throat and lung irritation, headache, nausea, dizziness, and vomiting.

Delayed and Immediate Effects & Chronic Effects from Exposure: The substance may have effects on the central nervous system. This substance is suspected of harming fertility and the unborn child. This substance is a potential carcinogen to humans (see below).

Measures of Toxicity:
Acute toxicities are calculated based on component toxicities
Mixture: Acute Oral Toxicity: LD_{50} Rat: 4,300 mg/kg
Acute Dermal Toxicity: LD_{50} Rabbit: > 2,000 mg/kg
Acute Inhalation Toxicity: LC_{50} Rat: 6,700 ppmV; 4 h

Carcinogen Claims (ethylbenzene)
OSHA: **Yes; 2,** International Agency for Research on Cancer (IARC): **Yes; 2B**
ACGIH: **Yes, A3,** National Toxicology Program (NTP) Report on Carcinogens: **No**

12. ECOLOGICAL INFORMATION

Ecotoxicity: This substance is toxic to aquatic organisms. It is strongly advised that this substance does not enter the environment.
Persistence & Degradability: No data available
Bio-accumulative Potential: No data available
Mobility in Soil: No data available
Other Adverse Effects: No data available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State or Local regulations.
Contaminated packaging should be emptied as far as possible before disposal.

14. TRANSPORT INFORMATION

DOT SHIPPING CLASSIFICATION:
UN NUMBER: UN1307
PROPER SHIPPING NAME: Xylenes
TRANSPORTATION HAZARD CLASS: 3
PACKING GROUP: III
HAZARD LABEL: 3

IMDG (Marine) SHIPPING CLASSIFICATION:
IMDG CODE: 3
UN NUMBER: UN1307
MARINE POLLUTANT: No
EmS: F-E; S-D
IMDG PACKING GROUP: III
HAZARD LABEL: 3
Description of the goods
XYLENES

IATA (Air) SHIPPING CLASSIFICATION:
ICAO/IATA-DGR: 3
UN NUMBER: UN1307
HAZARD LABEL: Flamm. liquid
IATA-packing instructions – Passenger: 355
IATA -max. quantity – Passenger: 60 L
IATA – packing instructions – Cargo: 366
IATA –max. quantity – Cargo: 220 L
IAO packing group: III
Limited quantity Passenger: Y344 / 10 L
Description of the goods
Xylenes

15. REGULATORY INFORMATION

All components of this product conform to the following national inventory requirements. US TSCA, EU EINECS and Canada DSL

SARA Title III

The following ingredients are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 37

Component	CAS #	Weight %
Xylene	1330-20-7	<90%
Ethylbenzene	100-41-4	< 15%
Toluene	108-88-3	<5

OTHER FEDERAL REGULATIONS

Components of this product are subject to RCRA Hazardous Waste requirements.
Clean Air Act (CAA) Hazardous Air Pollutants requirements and OSHA Process Safety Management (PSM) high hazard requirements.
CANADIAN REGULATIONS

Same as OSHA GHS Classification

STATE REGULATIONS

California Proposition 65
WARNING: This product contains chemicals known to the state of California to cause cancer, birth defects, and other reproductive harm. (ethylbenzene)

The components of this product may be included on the various state hazardous materials lists noted below.

California Hazardous Substances List/Permissible Exposure List
California Toxic air contaminants
Connecticut Permissible Exposure Limits
Delaware List of Chemicals and RQs
Hawaii Permissible Exposure Limits
Idaho Toxic Air Pollutants
Illinois Toxic Air Contaminants List
Louisiana Toxic Air Pollutants
Maine Hazardous Air Pollutants
Maryland Toxic Air Pollutants for Existing Sources
Massachusetts Hazardous Substances List
Michigan Permissible Exposure Limits
Minnesota Hazardous Substances
Minnesota Permissible Exposure Limits
Nebraska Hazardous Air Pollutants
New Jersey RTK Hazardous Substances List/TCPA Extremely Hazardous Substances List
New York List of Hazardous Substances
Ohio Toxic Air Contaminants
Oklahoma Toxic Air Contaminants
North Carolina TAP Emissions Rates Requiring a Permit
Pennsylvania Hazardous Substances List
Rhode Island Toxic Air Contaminants
Tennessee Permissible Exposure Limits
Vermont Hazardous Air Contaminants/Permissible Exposure Limits
Washington Permissible Exposure Limits for Airborne Contaminants.
West Virginia Toxic Air Pollutant List
Wisconsin hazardous Air Contaminants

Note: Entries under Section 15 are not intended to be all inclusive of Federal and State laws and regulations. Please consult the appropriate agencies for further clarification of any requirements.

16. OTHER INFORMATION

Disclaimer: The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.