

01056-1026



## **SAFETY DATA SHEET**

### **SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** F-440 FLOW ENHANCER

**MANUFACTURER:**

COVENTRY COATINGS CORP.  
dba Ronan Paints  
89 Taft Ave.  
Newburgh, NY 12550  
USA: 1-800-307-7951 or (845) 562-5666

**EMERGENCY CONTACT FOR  
SPILL, FIRE, EXPLOSION:  
CHEM-TREC 1-800-424-9300**

**PRODUCT CODES:** F-440

### **SECTION 2: HAZARD IDENTIFICATION**

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<b>Classification:</b>	FLAMMABLE LIQUIDS:	Category 3
	ASPIRATION HAZARD:	Category 1
	CARCINOGENICITY:	Category 2
	SPECIFIC TARGET ORGAN TOXICITY: SINGLE EXPOSURE:	Category 3 (Central Nervous System, Respiratory)

**GHS Label Elements:** PICTOGRAMS



**SIGNAL WORD: DANGER**

**Hazard Statements:** Flammable liquid and vapor. May be fatal if swallowed and enters airways. May cause respiratory irritation, drowsiness or dizziness. Suspected of causing cancer.

**Precautionary Statements:**

**Prevention:** Read all warning statements on all labels for this and any other products to be mixed with it prior to use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting and other tools or equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust, fumes, gas, mist, vapors or spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing and eye protection/face protection. Wear an appropriate, properly fitted fresh-air supplied respirator (NIOSH-approved TC19 or equivalent) during and after application, and until all organic solvent vapors and spray mists are exhausted, or any time airborne contaminant levels exceed exposure limits indicated in Section 8.

**Response:** IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Wash with plenty of water. Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing. If eye irritation persists: Get medical attention. If exposed or concerned: Get medical attention. Call a POISON CENTER, doctor or physician if you feel unwell.

If medical advice is needed, have product container/label and Safety Data Sheet at hand.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish, do not use water, see Section 5.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

**Disposal:** Dispose of contents and container with an approved waste disposal facility in compliance with local, regional and national regulations. Avoid release to environment. If spilled, contain material with inert absorbent, in compliance with local, regional and national regulations.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations. Contact your local waste management service for guidance.

SAFETY DATA SHEET: FLOW ENHANCER  
VERSION: F-440-1

DATE ISSUED: 6/10/2022

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>% by Weight</b>
SOLVENT NAPHTHA (Petroleum), HEAVY AROMATIC	64742-94-5	80 – 90 %
LINSEED OIL	8001-26-1	10 – 15 %
NAPHTHALENE	91-20-3	5 – 10 %
1,2,4-TRIMETHYL BENZENE	95-63-6	1 – 2 %

**SECTION 4: FIRST AID MEASURES**

<b>Eyes:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, check for and remove contact lenses. Seek immediate medical attention.
<b>Skin:</b>	Remove contaminated clothing. Immediately flush exposed area with large amounts of water for at least 15 minutes. If symptoms persist, seek medical attention. Wash clothing separately and clean shoes before reuse.
<b>Ingestion:</b>	Do NOT induce vomiting. Seek immediate medical attention, contact physician or poison control center. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Seek immediate medical attention. Remove from exposure to fresh air. If not breathing or if breathing is irregular, provide artificial respiration or oxygen by trained personnel; rescuers should put on appropriate protective gear. To prevent aspiration, keep head below knees.
<b>Notes to Physician:</b>	Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Treat appropriately.

**SECTION 5: FIRE FIGHTING MEASURES****Suitable Extinguishing Media:**

Carbon Dioxide, Dry Chemical, Alcohol-resistant Foam. Do not use water jet.

**Fire Fighting Procedures:**

Fight as volatile liquid fire. Wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Eliminate all sources of ignition. Evacuate unnecessary personnel. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

**Unusual Fire and Explosion Hazard:**

Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. Vapors/dust may cause flash fire or explosion. This material may be ignited by heat, sparks, flame or static electricity. Closed containers may explode when exposed to extreme heat. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Environmental Precautions:**

Avoid runoff and contact with soil, drains, sewers and waterways. Contact appropriate authority if spill is in excess of reportable quantity, in compliance with local and national regulations.

**Personal Precautions:**

Eliminate all ignition sources. Contact emergency personnel. Evacuate the spill area and keep unnecessary, unprotected personnel away. Do not breathe vapors, use suitable personal protective equipment. Do not touch or walk through spilled material. Prevent additional discharge of material if able to do so safely. Ventilate spill area.

**Method of Cleaning Up:**

Absorb spilled material with an inert dry material and place in an appropriate waste disposal container. Contaminated absorbent material may pose the same hazard as the spilled product. Dispose of product in accordance with local, county, state and federal regulations.

**SECTION 7: HANDLING AND STORAGE****Precautions for Safe Handling:**

Use only in a well-ventilated area, with appropriate personal protective equipment, (see section 8), obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in the original container. Keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Hygienic Practices: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands and face with soap and water after handling and before eating, drinking, or smoking. Remove contaminated clothing and protective equipment before entering eating areas. Launder contaminated clothing before reusing. Uniforms or clothing containing paint residue should not be laundered with household garments.

**Conditions for Safe Storage, Including Incompatibilities:**

Do not store below 41°F (5°C). Do not store above 90°F (32°C). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, well-ventilated area, away from incompatible materials. Store locked up. Keep containers tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and be kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations. Contact your local waste management service for guidance.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Ingredient Name	CAS Number	Exposure Limits
SOLVENT NAPHTHA (Petroleum), HEAVY AROMATIC	64742-94-5	Data not available
LINSEED OIL	8001-26-1	NOISH REL 10 mg/m <sup>3</sup>
NAPHTHALENE	91-20-3	OSHA PEL TWA 10 PPM
1,2,4 TRIMETHYL BENZENE	95-63-6	ACGIH TWA 25 PPM

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

**Personal Protective Equipment**

**Eyes and Face:** Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

**Skin:** Wear impervious gloves to prevent contact with the skin. Where contact is likely, wear chemical resistant gloves, a chemical suit, long sleeves, rubber boots, and chemical safety goggles plus a face shield.

**Respiratory:** Wear an appropriate, properly fitted fresh-air supplied respirator, (NIOSH-approved TC-19C or equivalent), during and after application, until all organic vapors and spray mists are exhausted or any time airborne contaminate levels exceed exposure limits. Follow respirator manufacturer's directions and observe OSHA regulations for respirator use (29 CFR 1910.134).

**Work Hygienic Practices:** Do not eat, drink, or smoke in areas where this material is used. Do not breathe vapors, fumes or mist. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State:	Liquid
Color:	Clear liquid
Odor:	Typical
pH:	Not available
Flash Point and Method:	149°F (65° C) ASTM D-56
Boiling Point / Range:	363° F - 399° F (184° C - 204° C)
Density:	7.536 lbs./gl
Specific Gravity:	0.90507
Evaporation Rate:	0.07
Vapor Pressure:	Not available
% Solubility in Water:	Negligible
Auto-Ignition Temperature:	Not available
Decomposition Temperature:	Not available
Regulatory V.O.C.:	767.61 grams/liter (6.41 lbs./gl)
Actual V.O.C.:	767.61 grams/liter (6.41 lbs./gl)

**SECTION 10: STABILITY AND REACTIVITY**

**Conditions to Avoid:** Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke; extinguish all flames and pilot lights. Turn off stoves, heaters, electrical motors, tools, appliances and any other possible sources of ignition prior to spray application, during use and until all vapors are exhausted from the area.

**Chemical Stability:** The product is stable under normal conditions. Keep away from heat, open flame, sparks, static electricity, freezing.

**Hazardous Decomposition Products:** Material does not decompose at ambient temperatures.

**Incompatible Materials:** Alkaline materials, strong acids and oxidizing materials.

**Possibility of Hazardous Reactions:** Under normal conditions of use and storage, hazardous reactions will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Available ingredient data is listed below, there is no data on the product itself.

Acute Dermal Toxicity	LD50: > 2,000 mg/kg (rabbit)
Acute Inhalation Toxicity	LC50: > 4688 mg/m <sup>3</sup> 4hrs (rat)
Acute Oral Toxicity	LD50: > 5000 mg/kg (rat)
Aspiration Toxicity	Category 1: May be fatal if swallowed and enters airways.
Carcinogenicity Classification	Category 2: Contains Naphthalene, (CAS No. 91-20-3): IARC Group 2B Suspected of causing cancer.
Target Organ, Single Exposure	Category 3: Respiratory, Central Nervous System. May cause respiratory irritation, drowsiness or dizziness.



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**SECTION 16: OTHER INFORMATION****OSHA HMIS RATING**

**Health:** 1  
**Flammability:** 2  
**Personal Hazard:** 1  
**Personal Protection:** J

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, \* = Chronic

DISCLAIMER: The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date. Coventry Coatings Corp. makes no representation, warranty or guarantee as to the completeness or accuracy thereof. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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