SAFETY DATA SHEET

FX-280 Industrial Degreaser

Fabrikam Specialty Chemicals, Inc.

Revision **3.1**
Revision date October 15, 2026
Supersedes March 2, 2025

1 Identification

Product identifier	**FX-280 Industrial Degreaser**
Product code	FX-280
Recommended use	Degreasing of metal parts, engines and machinery
Restrictions on use	For professional and industrial use only. Not for consumer use.
Supplier	Fabrikam Specialty Chemicals, Inc. 2400 Riverside Industrial Drive, Dayton, OH 45404, United States +1 (937) 555-0118 · sds@fabrikam.example
Emergency telephone	**+1 (937) 555-0199, 24 hours**

2 Hazard identification

SIGNAL WORD

Danger

HAZARD PICTOGRAMS



CODE	HAZARD STATEMENT	HAZARD CLASS AND CATEGORY
H226	Flammable liquid and vapor.	Flammable liquids, Category 3
H304	May be fatal if swallowed and enters airways.	Aspiration hazard, Category 1
H315	Causes skin irritation.	Skin irritation, Category 2
H317	May cause an allergic skin reaction.	Skin sensitization, Category 1
H319	Causes serious eye irritation.	Eye irritation, Category 2A
H411	Toxic to aquatic life with long lasting effects.	Aquatic chronic, Category 2

CODE	PRECAUTIONARY STATEMENT
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents and container in accordance with local, state and federal regulations.

Other hazards: None known.

3 Composition/information on ingredients

CHEMICAL NAME	CAS NUMBER	WEIGHT %
Distillates (petroleum), hydrotreated light	64742-47-8	60 to 80
d-Limonene	5989-27-5	5 to 10
2-Butoxyethanol	111-76-2	5 to 10
Alcohols, C9-11, ethoxylated	68439-46-3	1 to 5

Mixture. The exact percentages are withheld as a trade secret.

4 First-aid measures

Inhalation	Move to fresh air and keep at rest. Get medical attention if symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Get medical advice if a rash occurs.
Eye contact	Rinse cautiously with water for 15 minutes. Get medical advice if irritation persists.
Ingestion	Do NOT induce vomiting. Call a poison center or doctor immediately.
Main symptoms	Redness, itching and dermatitis. Eye irritation. Coughing and lung damage if aspirated.
Medical attention	Treat symptomatically. Aspiration can cause chemical pneumonitis.

5 Fire-fighting measures

Suitable media	Foam, dry chemical, carbon dioxide. Water spray to cool exposed containers.
Unsuitable media	A solid water stream, which may spread the fire.
Specific hazards	Vapors are heavier than air and may travel to an ignition source. Combustion produces CO and CO2.
Protective equipment	Self-contained breathing apparatus and full protective clothing.

6 Accidental release measures

Personal precautions	Remove all ignition sources. Ventilate the area. Wear the protective equipment of section 8.
Environmental precautions	Prevent entry into drains, sewers and waterways.
Containment and cleanup	Absorb with sand or an inert material. Collect with non-sparking tools into closed containers.

7 Handling and storage

Safe handling	Use with good ventilation. Ground and bond containers during transfer. Use non-sparking tools.
Storage	Keep tightly closed in a cool, well-ventilated place, away from heat and oxidizers, at 5 to 30 °C.

8 Exposure controls/personal protection

Exposure limits	2-Butoxyethanol: OSHA PEL 50 ppm TWA (skin), ACGIH TLV 20 ppm TWA.
Engineering controls	Local exhaust ventilation. Explosion-proof electrical equipment.
Eye and face protection	Safety glasses with side shields, or chemical goggles.
Skin protection	Nitrile gloves, 0.4 mm or thicker. Chemical-resistant apron.
Respiratory protection	An organic vapor respirator where exposure limits may be exceeded.

9 Physical and chemical properties

Physical state	Liquid
Color	Colorless to pale yellow
Odor	Citrus. Odor threshold not determined.
Melting point/freezing point	Below -20 °C (-4 °F)
Boiling point or range	170 to 215 °C (338 to 419 °F)
Flammability	Flammable liquid
Explosion limits	0.6 to 7.0% by volume
Flash point	47 °C (117 °F), closed cup
Auto-ignition temperature	240 °C (464 °F)
Decomposition temperature	Not determined
pH	Not applicable
Kinematic viscosity	1.8 mm^2/s at 40 °C
Solubility	Emulsifiable in water
Partition coefficient	Not applicable (mixture)
Vapor pressure	0.2 kPa at 20 °C
Relative density	0.82 at 20 °C

Relative vapor density	Above 4 (air = 1)
Particle characteristics	Not applicable

10 Stability and reactivity

Reactivity	Not reactive under normal conditions of use.
Chemical stability	Stable under the recommended storage conditions.
Conditions to avoid	Heat, sparks, open flames and static discharge.
Incompatible materials	Strong oxidizing agents.
Decomposition products	Carbon monoxide and carbon dioxide.

11 Toxicological information

Routes of exposure	Inhalation, skin contact, eye contact, ingestion.
Acute toxicity	Not classified. ATE (mixture), oral: above 5,000 mg/kg.
Skin and eyes	Causes skin irritation and serious eye irritation. Repeated exposure may dry the skin.
Sensitization	May cause an allergic skin reaction (d-Limonene).
Carcinogenicity	No component at 0.1% or more is listed by NTP, OSHA or IARC (Group 1, 2A or 2B).
Aspiration hazard	May be fatal if swallowed and enters airways.

12 Ecological information

Ecotoxicity	Toxic to aquatic life with long lasting effects.
Persistence	The hydrocarbon components are expected to be inherently biodegradable.
Mobility in soil	Floats on water. The volatile components evaporate.

13 Disposal considerations

Waste disposal	Dispose of as hazardous waste at an approved facility. Do not pour into drains.
US EPA waste code	D001 (ignitable)
Packaging	Empty containers keep product residue and flammable vapors. Do not cut, weld or pressurize.

14 Transport information

UN number	**UN1993**
UN proper shipping name	Flammable liquid, n.o.s. (petroleum distillates, d-Limonene)
Transport hazard class	3
Packing group	III
Environmental hazards	Marine pollutant (IMDG): yes
Regulations	US DOT, IMDG, IATA

15 Regulatory information

US TSCA	All components are listed on the TSCA Inventory or exempt.
US SARA 311/312	Flammable liquid, aspiration hazard, skin irritation, skin sensitization, eye irritation.

16 Other information

Revision date	October 15, 2026
Revision	3.1, supersedes the version of March 2, 2025
Changes	Section 8: exposure limits updated. Section 14: marine pollutant status added.
Prepared by	Product Stewardship, Fabrikam Specialty Chemicals

This safety data sheet describes the product for safety purposes and does not guarantee its properties.