

Mohawk FCE Instant Tough Stain Remover 16oz**Section 1 - Identification****Product Name:** Mohawk FCE Instant Tough Stain Remover 16oz**Product Code:** 000000003000118441**Manufactured**

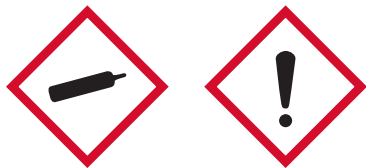
Milliken & Company

920 Milliken Rd

Spartanburg SC 29303

Telephone: +1-864-503-1940 (M-F, 8-5 EST)**E-mail address:** sds@milliken.com**Emergency 24 hour number**

In case of emergency, call CHEMTREC US: 1-800-424-9300, CHEMTREC WORLD: 1-703-527-3887.

Recommended use and restrictions: Cleansing agents, alkaline.**Section 2 - Hazards Identification****GHS classification in accordance with 29 CFR 1910.1200****Gases under pressure:** Liquefied gas**Eye irritation:** Category 2A**GHS Label element****Hazard pictograms:****Signal word:** Warning**Hazard statements**

H280 Contains gas under pressure; may explode if heated. H319 Causes serious eye irritation.

Precautionary statements**Prevention:** P264 Wash skin thoroughly after handling. P280 Wear eye and face protection.**Response****P305 + P351 + P338 If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing.**P337 + P313 If eye irritation persists:** Get medical advice/ attention.**Storage:** P410 + P403 Protect from sunlight. Store in a well-ventilated place.**Section 3 - Composition/Information on Ingredients****Substance / Mixture:** Mixture**Chemical nature:** Mixture

Mohawk FCE Instant Tough Stain Remover 16oz**Components**

Chemical Name	CAS Number	Concentration (%w/w)
2-butoxyethanol	111-76-2	$\geq 5 - < 10$
Propane	74-98-6	$\geq 1 - < 5$
Butane	106-97-8	$\geq 1 - < 5$
Propan-2-ol	67-63-0	$\geq 1 - < 5$

Section 4 - First Aid Measures

General Advice: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

If inhaled: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of eye contact: Remove contact lenses. Immediately flush eye(s) with plenty of water. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If Swallowed: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed: None Known

Section 5 - Fire-Fighting Measures

Unsuitable extinguishing media: High volume water jet

Further information: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 - Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid breathing dust.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Section 7 - Handling and Storage

Advice on protection against fire and explosion: Normal measures for preventive fire protection

Advice on safe handling: Do not breathe vapors/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: BEWARE Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. For electrical installations, working materials must comply with the technological safety standards.

Further information on storage stability: No decomposition if stored and applied as directed

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Section 8 - Exposure Controls/Personal Protection

Components with workplace control parameters

Components	CAS Number	Value type (Form of exposure)	Control Parameters / Permissible concentration	Basis
2-Butoxyethanol	111-76-2	TWA	20 ppm	ACGIH
			5 ppm 24 mg/m ³	NIOSH REL
			50 ppm 240 mg/m ³	OSHA Z-1
			25 ppm 120 mg/m ³	OSHA P0
Propane	74-98-6	TWA	1,000 ppm 1,800 mg/m ³	NIOSH REL
				OSHA Z-1
				OSHA P0
Butane	106-97-8	TWA	800 ppm 1,900 mg/m ³	NIOSH REL
				OSHA P0
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	
		TWA	400 ppm 980 mg/m ³	NIOSH REL
		ST	500 ppm 1,225 mg/m ³	
		TWA	400 ppm 980 mg/m ³	OSHA Z-1
		TWA	400 ppm 980 mg/m ³	OSHA P0
		STEL	500 ppm 1,225 mg/m ³	

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Biological occupational exposure limits

Components	CAS Number	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-butoxyethanol	111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200 mg/g Creatinine	ACGIH BEI
Propan-2-ol	67-63-0	Acetone		End of shift at end of workweek	40 mg/l	

Personal protective equipment

Hand protection: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection: Eye wash bottle filled with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection: Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

Section 9 - Physical and Chemical Properties

Appearance: Aerosol. Liquefied gas

Color: Colourless

Odor: Mild

Odor Threshold: No data available

pH: 8.5 - 9.5

Melting point/freezing point: No data available

Boiling point/boiling range: No data available

Flash point: Does not flash

Evaporation rate: No data available

Flammability (solid, gas): Not classified as a flammability hazard

Flammability (liquids): Not classified as supporting combustion according to the transport regulations

Self-ignition: No data available

Upper explosion limit / Upper flammability limit: No data available

Lower explosion limit / Lower flammability limit: No data available

Vapor pressure: 65 - 75 hPa

Relative vapor density: No data available

Relative density: No data available

Density: 0.96 - 0.98 g/cm³

Solubility(ies)

Water solubility: Soluble

Solubility in other solvents: No data available

Mohawk FCE Instant Tough Stain Remover 16oz**Partition coefficient**

N-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity, dynamic: No data available

Viscosity, kinematic: No data available

Molecular weight: No data available

Section 10 - Stability and Reactivity**Reactivity:** No decomposition if stored and applied as directed**Chemical stability:** No decomposition if stored and applied as directed**Possibility of hazardous reactions:** No decomposition if stored and applied as directed**Conditions to avoid:** No data available**Hazardous decomposition products:** No data available**Section 11- Toxicological Information****Acute oral toxicity**

LD50 Oral (Rat): > 2,000 mg/kg Assessment: The substance or mixture has no acute oral toxicity. No adverse effect has been observed in acute toxicity tests.

Acute inhalation toxicity**Acute toxicity estimate:** > 30000 ppm**Exposure time:** 4 h**Test atmosphere:** gas**Method:** Calculation method**Acute dermal toxicity****Acute toxicity estimate:** > 5,000 mg/kg**Method:** Calculation method**Components****Propan-2-ol****Acute oral toxicity:** LD50 (Rat): 5,045 mg/kg**Acute inhalation toxicity:** LC50 (Rat): 16000 ppm**Exposure time:** 8 h**Acute dermal toxicity:** LD50 (Rabbit): 12,800 mg/kg**Skin corrosion/irritation**

Not classified based on available information

Product**Species:** Rabbit**Components****Propan-2-ol****Species:** Rabbit**Result:** Mild skin irritation**Exposure time:** 24 h**Assessment:** No skin irritation**Respiratory or skin sensitisation**

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Skin sensitisation: Not classified based on available information

Respiratory sensitisation: Not classified based on available information

Germ cell mutagenicity: Not classified based on available information

Carcinogenicity: Not classified based on available information

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information

STOT - single exposure

Not classified based on available information

STOT - repeated exposure

Not classified based on available information

Aspiration toxicity

Not classified based on available information

Further information: No data available

Section 12 - Ecological Information

Ecotoxicity

Components

Propan-2-ol

Toxicity to fish: LC50 *Pimephales promelas* (fathead minnow): 9,640 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 *Daphnia magna* (Water flea): 5,102 mg/l

Exposure time: 24 h

EC50 *Daphnia magna* (Water flea): 6,851 mg/l

Exposure time: 24 h

Test Type: Immobilization

Toxicity to algae

EC50 *Desmodesmus subspicatus* (green algae): > 2,000 mg/l

Exposure time: 72 h

Persistence and degradability: No data available

Bioaccumulative potential components:

Components

2-butoxyethanol

Partition coefficient: n-octanol/water: log Pow: 0.83

Propane: Partition coefficient: n-octanol/water: log Pow: 2.36

Butane

Partition coefficient: n-octanol/water: log Pow: 2.89

Propan-2-ol

Partition coefficient: n-octanol/water: log Pow: 0.05

Mobility in soil: No data available

Other adverse effects

Mohawk FCE Instant Tough Stain Remover 16oz**Product****Ozone-depletion potential:**

Regulation: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

This product neither contains nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: No data available

Section 13 - Disposal Considerations**Disposal methods**

Waste from residues: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn or use a cutting torch on the empty drum.

Section 14 - Transport Information**International Regulations****IATA-DGR**

UN/ID No.: UN 1950

Proper shipping name: Aerosols non-flammable

Class: 2.2

Packing group: Not assigned by regulation

Labels: Non-flammable, non-toxic gas

Packing instruction (cargo aircraft): 203

Packing instruction (passenger aircraft): 203

IMDG-Code

UN number: UN 1950

Proper shipping name: Aerosols

Class: 2.2

Packing group: Not assigned by regulation

Labels: 2.2

EmS Code: F-D, S-U

Marine pollutant: No

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable for product as supplied

National Regulations**49 CFR**

UN/ID/NA number: UN 1950

Proper shipping name: Aerosols, , non-flammable

Class: 2.2

Packing group: Not assigned by regulation

Labels: NON-FLAMMABLE GAS

ERG Code: 126

Marine pollutant: No



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Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15 - Regulatory Information**EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity:**

Components	CAS Number	Component RQ (lbs)	Calculated product RQ (lbs)
Ammonia, Aqueous solution	1336-21-6	1000	*

*Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity: This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards: Gases under pressure. Serious eye damage or eye irritation

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

Chemical Name	CAS Number	Concentration (%w/w)
Propane	74-98-6	>= 1 - < 5 %
Butane	106-97-8	>= 1 - < 5 %

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489):

Chemical Name	CAS Number	Concentration (%w/w)
2-Butoxyethanol	111-76-2	>= 5 - < 10 %
Propan-2-ol	67-63-0	>= 1 - < 5 %



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Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Chemical Name	CAS Number	Concentration (%w/w)
Ammonia, Aqueous solution	1336-21-6	$\geq 0 - < 0.1\%$

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Chemical Name	CAS Number	Concentration (%w/w)
Ammonia, Aqueous solution	1336-21-6	$\geq 0 - < 0.1\%$

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

Maine Chemicals of High Concern

This product does not contain any chemicals that are listed as Maine Chemicals of High Concern.

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Additional information is available by request regulatory@milliken.com.

Section 16 - Other Information

ACGIH: USA. ACGIH Threshold Limit Values (TLV)

ACGIH BEI: ACGIH - Biological Exposure Indices (BEI)

NIOSH REL: USA. NIOSH Recommended Exposure Limits

OSHA PO: USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

OSHA Z-1: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

ACGIH / TWA: 8-hour, time-weighted average

ACGIH / STEL: Short-term exposure limit

NIOSH REL / TWA: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek

NIOSH REL / ST: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday

OSHA PO / TWA: 8-hour time weighted average

OSHA PO / STEL: Short-term exposure limit

OSHA Z-1 / TWA: 8-hour time weighted average



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AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of 13 / 13 Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q) SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Please Note: As each customer's use of our product may be different, information we provide, including without limitation any regulatory information, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.