



# GC FX 3

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Issue date: 03/09/2025

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Supersedes: 02/06/2025

Version: 3.1

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form	Mixture
Name	GC FX 3
UN-No. (ADR)	1956
Product code	BU Direct Fastening

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use	Gas can for use exclusively with the Hilti FX 3-A tool. For professional use only
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#### 1.4. Supplier's details

##### Supplier

Hilti India Private Limited  
F-90/4, Okhla Industrial Area Phase 1  
IN 110 020 New Delhi  
India  
T +9111 4270 1111, F +91 405 23318

##### Department issuing data specification sheet

Hilti AG  
Feldkircherstraße 100  
FL 9494 Schaan  
Liechtenstein  
T +423 234 2111  
[product.compliance-direct.fastening@hilti.com](mailto:product.compliance-direct.fastening@hilti.com)

#### 1.5. Emergency phone number

Emergency number	Emergency CONTACT (24-Hour-Number): GBK GmbH Global Regulatory Compliance +49 (0)6132-84463  +9111 4064 6500 +9111 4270 1122
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Country	Organisation/Company	Address	Emergency number	Comment
India	National Poisons Information Centre (NPIC) All India Institute Of Medical Sciences, Department of Pharmacology	110029 New Delhi	+91 (0)11-2658 9391; +91 (0)11-2659 3677 +91 1800 116 117 (toll free)	

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification according to the United Nations GHS

Gases under pressure : Compressed gas	H280	Expert judgement
Full text of H-statements: see section 16		
Adverse physicochemical, human health and environmental effects	Contains gas under pressure; may explode if heated.	

# GC FX 3

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

### 2.2. GHS Label elements, including precautionary statements

#### Labelling according to the United Nations GHS

Hazard pictograms (GHS UN)



Signal word (GHS UN)

Hazard statements (GHS UN)

Precautionary statements (GHS UN)

Warning

H280 - Contains gas under pressure; may explode if heated

P251 - Do not pierce or burn, even after use.

P402 - Store in a dry place.

P403 - Store in a well-ventilated place.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification

Asphyxiant in high concentrations

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
argon	CAS-No.: 7440-37-1	≥ 80	Press. Gas (Comp.), H280
Carbon dioxide	CAS-No.: 124-38-9	10 – 25	Press. Gas (Liq.), H280

Full text of H-statements: see section 16

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general

Asphyxiant in high concentrations. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Victim may not be aware of asphyxiation. Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped. Low concentrations of CO<sub>2</sub> cause increased respiration and headache.

First-aid measures after skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.

First-aid measures after eye contact

Rinse immediately with plenty of water. Rinse eyes with water as a precaution.

First-aid measures after ingestion

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects

Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation

Respiratory complaints.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.



# GC FX 3

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

### 8.2. Appropriate engineering controls

Appropriate engineering controls	Ensure good ventilation of the work station. Systems under pressure should be regularly checked for leakages.
Environmental exposure controls	No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety. Avoid release to the environment.
Consumer exposure controls	Avoid contact during pregnancy/while nursing.
Other information	Do not eat, drink or smoke during use.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

#### Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection	Not required for normal conditions of use
Eye protection	Safety glasses

Type	Field of application	Characteristics	Standard
Safety glasses		clear	EN 166, EN 170

Respiratory protection Keep self contained breathing apparatus readily available for emergency use.

#### Personal protective equipment symbol(s)



Thermal hazard protection No information available.

### 8.4. Exposure limit values for the other components

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	Gas
Colour	Colourless.
Odour	odourless.
Odour threshold	Not available
Melting point	Not applicable
Freezing point	Not applicable
Boiling point	Not applicable
Flammability	Non flammable
Lower explosion limit	Not available
Upper explosion limit	Not available
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
pH	Not applicable
pH solution	Not applicable
Viscosity, kinematic (calculated value) (40 °C)	Not applicable
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	Not available
Vapour pressure at 50°C	Not available
Density	Not applicable
Relative density	Not applicable

# GC FX 3

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Relative vapour density at 20°C	Not available
Solubility	Not available
Particle size	Not applicable

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive properties	Not applicable
Oxidising properties	Not applicable
Gas group	Gases under pressure : Compressed gas
Other properties	Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Moisture.

### 10.5. Incompatible materials

No additional information available.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Serious eye damage/irritation	Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
Respiratory or skin sensitization	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	Not applicable

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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# GC FX 3

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Hazardous to the aquatic environment, short-term (acute)	Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	Not classified (Based on available data, the classification criteria are not met)

Carbon dioxide (124-38-9)	
LC50 - Fish [1]	35 ppm (96 h; Salmo gairdneri; Literature data)

### 12.2. Persistence and degradability

GC FX 3	
Persistence and degradability	Not established.

Carbon dioxide (124-38-9)	
Persistence and degradability	Not applicable.

argon (7440-37-1)	
Persistence and degradability	Not applicable.

### 12.3. Bioaccumulative potential

GC FX 3	
Bioaccumulative potential	No additional information available

Carbon dioxide (124-38-9)	
Partition coefficient n-octanol/water (Log Kow)	0.83 (Measured)

argon (7440-37-1)	
Partition coefficient n-octanol/water (Log Kow)	0.74 (Measured)

### 12.4. Mobility in soil

GC FX 3	
Mobility in soil	No additional information available

### 12.5. Other adverse effects

Ozone	Not classified (Based on available data, the classification criteria are not met)
Other adverse effects	No additional information available
Other information	Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.






## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1956	UN 1956	UN 1956	UN 1956	UN 1956

GC FX 3  
Safety Data Sheet

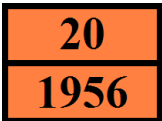
according to the United Nations GHS (Rev. 10, 2023)

ADR	IMDG	IATA	ADN	RID
14.2. UN proper shipping name				
COMPRESSED GAS, N.O.S. (Argon, Carbon dioxide mixture)	COMPRESSED GAS, N.O.S. (Argon, Carbon dioxide mixture)	Compressed gas, n.o.s. (Argon, Carbon dioxide mixture)	COMPRESSED GAS, N.O.S. (Argon, Carbon dioxide mixture)	COMPRESSED GAS, N.O.S. (Argon, Carbon dioxide mixture)
Transport document description				
UN 1956 COMPRESSED GAS, N.O.S. (Argon, Carbon dioxide mixture), 2.2, (E)	UN 1956 COMPRESSED GAS, N.O.S. (Argon, Carbon dioxide mixture), 2.2	UN 1956 Compressed gas, n.o.s. (Argon, Carbon dioxide mixture), 2.2	UN 1956 COMPRESSED GAS, N.O.S. (Argon, Carbon dioxide mixture), 2.2	UN 1956 COMPRESSED GAS, N.O.S. (Argon, Carbon dioxide mixture), 2.2
14.3. Transport hazard class(es)				
2.2	2.2	2.2	2.2	2.2
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	1A
Special provisions (ADR)	274, 378, 392, 655, 662
Limited quantities (ADR)	120ml
Excepted quantities (ADR)	E1
Packing instructions (ADR)	P200
Mixed packing provisions (ADR)	MP9
Portable tank and bulk container instructions (ADR)	(M)
Tank code (ADR)	CxBN(M)
Tank special provisions (ADR)	TA4, TT9
Vehicle for tank carriage	AT
Transport category (ADR)	3
Special provisions for carriage - Loading, unloading and handling (ADR)	CV9, CV10, CV36
Hazard identification number (Kemler No.)	20
Orange plates	



Tunnel restriction code (ADR)	E
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Transport by sea

Special provisions (IMDG)	274, 378, 392
Limited quantities (IMDG)	120 ml



# GC FX 3

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Excepted quantities (IMDG)	E1
Packing instructions (IMDG)	P200
EmS-No. (Fire)	F-C
EmS-No. (Spillage)	S-V
Stowage category (IMDG)	A
Flash point (IMDG)	
Properties and observations (IMDG)	
MFAG-No	126

### Air transport

PCA Excepted quantities (IATA)	E1
PCA Limited quantities (IATA)	Forbidden
PCA limited quantity max net quantity (IATA)	Forbidden
PCA packing instructions (IATA)	200
PCA max net quantity (IATA)	75kg
CAO packing instructions (IATA)	200
CAO max net quantity (IATA)	150kg
Special provisions (IATA)	A202
ERG code (IATA)	2L

### Inland waterway transport

Classification code (ADN)	1A
Special provisions (ADN)	274, 378, 392, 655, 662
Limited quantities (ADN)	120 ml
Excepted quantities (ADN)	E1
Equipment required (ADN)	PP
Number of blue cones/lights (ADN)	0
Additional requirements/Remarks (ADN)	

### Rail transport

Classification code (RID)	1A
Special provisions (RID)	274, 378, 392, 655, 662
Limited quantities (RID)	120ml
Excepted quantities (RID)	E1
Packing instructions (RID)	P200
Mixed packing provisions (RID)	MP9
Portable tank and bulk container instructions (RID)	(M)
Tank codes for RID tanks (RID)	CxBN(M)
Special provisions for RID tanks (RID)	TA4, TT9
Transport category (RID)	3
Special provisions for carriage - Loading, unloading and handling (RID)	CW9, CW10, CW36
Colis express (express parcels) (RID)	CE3
Hazard identification number (RID)	20

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

## SECTION 16: Other information

Issue date 03-09-2025

03/09/2025

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8/9





# GC FX 3

## Safety Data Sheet

according to the United Nations GHS (Rev. 10, 2023)

Revision date 03-09-2025  
Supersedes 02-06-2025

Abbreviations and acronyms

CAS-No. - Chemical Abstract Service number  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE - Acute Toxicity Estimate  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
DNEL - Derived-No Effect Level  
EC50 - Median effective concentration  
ED - Endocrine disruptor  
EC-No. - European Community number  
EN - European Standard  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
IOELV - Indicative Occupational Exposure Limit Value  
LC50 - Median lethal concentration  
LD50 - Median lethal dose  
NOEC - No-Observed Effect Concentration  
OECD - Organisation for Economic Co-operation and Development  
N.O.S. - Not Otherwise Specified  
OEL - Occupational Exposure Limit  
PBT - Persistent Bioaccumulative Toxic  
PNEC - Predicted No-Effect Concentration  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
SDS - Safety Data Sheet  
STP - Sewage treatment plant  
TLM - Median Tolerance Limit  
TRGS - Technical Rules for Hazardous Substances  
VOC - Volatile Organic Compounds  
WGK - Water Hazard Class  
vPvB - Very Persistent and Very Bioaccumulative  
NOAEL - No-Observed Adverse Effect Level  
NOAEC - No-Observed Adverse Effect Concentration  
LOAEL - Lowest Observed Adverse Effect Level

Full text of H-statements:	
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
H280	Contains gas under pressure; may explode if heated

SDS UN HILTI

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.