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The content in this document may change with the product update. There will be no further notice.

Though it has been reviewed for several times for accuracy, it is only for reference. [2024.03]

Product Manual



ZHEJIANG SANMEI CHEMICAL IND. CO., LTD.

GOMPANY PROFILE SANMEI

Company profile: Zhejiang Sanmei Chemical Ind, Co., Ltd.

Founded: May 11, 2001 Registered capital: RMB 610 million

Enterprise nature: Private company Staff: 2000+

Add: No.218, Qingnian Road, Wuyi County, Zhejiang Province, 321200, China

Jiangsu Sanmei Chemical Ind. Co., Ltd.

Fujian Qingliu Dongying Chemical Ind. Co., Ltd.

Zhejiang Sanmei Chemical Products Co., Ltd.

Fluo Shanghai International Trade Co., Ltd.

Zhejiang Sanmei Refrigeration Fitting Co., Ltd.

Chongqing Xinchen Industry. Co., Ltd.

Guangdong Furun Chemical Ind, Co., Ltd.

Chongqing JiaLiHe New Material Technology Co.,Ltd.

EQUITY PARTICIPATION COMPANY

Zhejiang ShengmeiLithium Battery Materials Co.Ltd.

Zhejiang YangshengThermal Environmental Protection Co.. Ltd

SINO-FOREIGNJOINT VENTURE

ZheJiang Morita New Materials Co.,Ltd.

Capacity

Up to now, our annual manufacturing capacity is as follows:

191,000MT AHF; 25,000MT mix-refrigerant.

Production Quota / Year:

51,506MT R134a, 31,498MT R125, 27,779MT R32, 6,285MT R143a;

14,538MT HCFC-141b, 1,706MT HCFC-142b, 9,547MT R22

Oint venture/Morita New Materials:

20000MT Electronic grade hydrofluoric acid, 5000MT Ammonium fluoride,

17000MT BOE;

Project under way:

5000MT PVDF, 5000MT FEP(zhejiang).6000MT LiPF6, 2000MT R116(fujian)

Lifsi-3000MT(shengmei)

Electronic Grade Hydrofluoric Acid

HF-H₂O HS Code: 2811110000 UN NO: 1790 Danger Class: 8

Applications:

- 1. Mainly used as wafer cleaner and etching chemical in IC industries. It is an indispensable chemical in manufacturing microelectronics.
- 2.Used as an etching reagent for glass substrate, Si3N4 and SiO2 in TFT-LCD industry.
- 3. Used as a cleaner and etching reagent in solar cell industry.
- 4.Reacts with metal salt, oxide, and hydroxide to form fluoride salt, and reacts with silicate to generate SiF4 gas.

Applications: Avoid sunshine and keep in well-ventilated places. Packaging: 1 gallon barrel; 20L barrel; 200L barrel; 1000L IBC.

Physical Properties

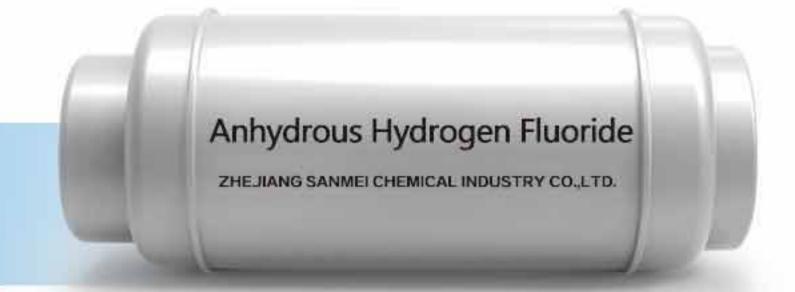
Molecular Weight	20.01	Equivalent Conductance (18℃)	17.32Ω-1CM-1
Boiling Point, °C	107	Appearance	Colorless, Clear
Density(sea level), g/ml	1.157	Odor	Pungent, Caustic
Freezing Point, °C	-46.3		

Quality Standards (Q/KAIHN01-2019)

6.4			GRA	ADE			TTENA		GRA	ADE	
	ITEM	EL grade	UP grade	UP-S grade	UP-SS grade		ITEM	EL grade	UP grade	UP-S grade	UP-SS grade
ASSA'	Y %	49±0.5	49±0.5	49±0.5	49±0.5	Fe	w/(µg/kg)	≤100	≤10	≤1	≤0.1
Colora	ition HU	≤10	≤10	≤7	≤7	Pb	w/(µg/kg)	≤50	≤10	≤1	≤0.1
H ₂ SiF	w/(mg/kg)	≤50	≤50	≤30	≤30	Ti	w/(µg/kg)	≤100	≤10	≤1	≤0.1
CI	w/(mg/kg)	≤5	≤5	≤0.2	≤0.05	Sb	w/(µg/kg)	≤ 50	≤10	≤1	≤0.1
NO ₃	w/(mg/kg)	≤3	≤3	≤0.1	≤0.05	Li	w/(µg/kg)	≤20	≤5	≤1	≤0.1
PO ₄	w/(mg/kg)	≤1	≤1	≤0.1	≤0.05	Mg	w/(μg/kg)	≤100	≤10	≤1	≤0.1
SO ₄	w/(mg/kg)	≤5	≤5	≤0.2	≤0.05	Mn	w/(µg/kg)	≤ 50	≤10	≤1	≤0.1
Al	$w/(\mu g/kg)$	≤100	≤10	≤1	≤0.1	Мо	w/(μg/kg)	≤100	≤10	≤1	≤0.1
As	$w/(\mu g/kg)$	≤200	≤10	≤1	≤0.1	Ni	w/(µg/kg)	≤ 50	≤10	≤1	≤0.1
В	$w/(\mu g/kg)$	≤100	≤10	≤1	≤0.1	K	w/(µg/kg)	≤100	≤10	≤1	≤0.1
Ва	$w/(\mu g/kg)$	≤100	≤10	≤1	≤0.1	Ag	w/(µg/kg)	≤20	≤ 5	≤1	≤0.1
Ве	$w/(\mu g/kg)$	≤20	≤5	≤1	≤0.1	Na	w/(µg/kg)	≤100	≤10	≤1	≤0.1
Bi	w/(µg/kg)	≤20	≤5	≤1	≤0.1	Pt	w/(µg/kg)	≤100	≤10	≤1	≤0.1
Cd	w/(µg/kg)	≤50	≤10	≤1	≤0.1	Sr	w/(μg/kg)	1	≤10	≤1	≤0.1
Ca	w/(µg/kg)	≤100	≤10	≤1	≤0.1	TI	w/(µg/kg)	/	≤10	≤1	≤0.1
Cr	w/(µg/kg)	≤20	≤10	≤1	≤0.1	Sn	w/(µg/kg)	≤20	≤10	≤1	≤0.1
Со	w/(µg/kg)	≤20	≤10	≤1	≤0.1	٧	w/(µg/kg)	1	≤10	≤1	≤0.1
Cu	$w/(\mu g/kg)$	≤20	≤10	≤1	≤0.1	Zn	w/(µg/kg)	≤ 50	≤10	≤10	≤10
Ga	w/(µg/kg)	≤20	≤10	≤1	≤0.1	Partica	al size≥ 1.0 µm Ea/ml	≤ 25	1	1	1
Ge	w/(µg/kg)	≤20	≤10	≤1	≤0.1	Partica	al size≥0.5µm Ea/ml	/	≤25	≤5	1
Au	w/(µg/kg)	≤20	≤5	≤1	≤0.1	Partica	al size≥0.2 µm Ea/ml	1	1	1	≤20

Anhydrous Hydrogen Fluoride

Molecular Formula: AHF HS Code: 2811119000 UN NO: 1052 Danger Class: 8/6.1



Applications:

Used in the production of fluoride salts, fluoroplastics, fluoro-rubber, fluoro-medicine, and in the agricultural pesticides industry.

Packaging: 330kg or 660kg steel cylinder; 15-20MT ISO tank.

Note: Our company which can produce 131,000 MT of AHF per year.

Physical Properties

9	Molecular Weight	20.01	Appearance	Colorless, Clear
	Boiling Point, °C	19.5	Odor	Pungent, Caustic

Quality Standards (GB 7746-2011)

Index Name	Special-Grade	Excellent-Grade	1st-Grade	Qualified Product
HF, %	≥99.98	≥99.96	≥99.92	≥99.80
H2O, %	≪0.005	≤0.02	≪0.04	≤0.06
SO2, %	≤0.005	≤0.008	≤0.015	≤0.050
H2SO4, %	≤0.003	≤0.005	≤0.010	≤0.030
H2SiF6, %	≤0.005	≤0.005	≤0.010	≤0.050

Industrial Hydrofluoric Acid

Molecular Formula: BHF HS Code: 2811119000 UN NO: 1052 Danger Class: 8/6.1

Applications: Used in the production of fluoride salts; to engrave and erode glass, to clean metal, and to streat surfaces.

Packaging: Polyethylene plastic 20L(25kg) drum, 30L(30kg) drum, 200L drum, ISO tank.

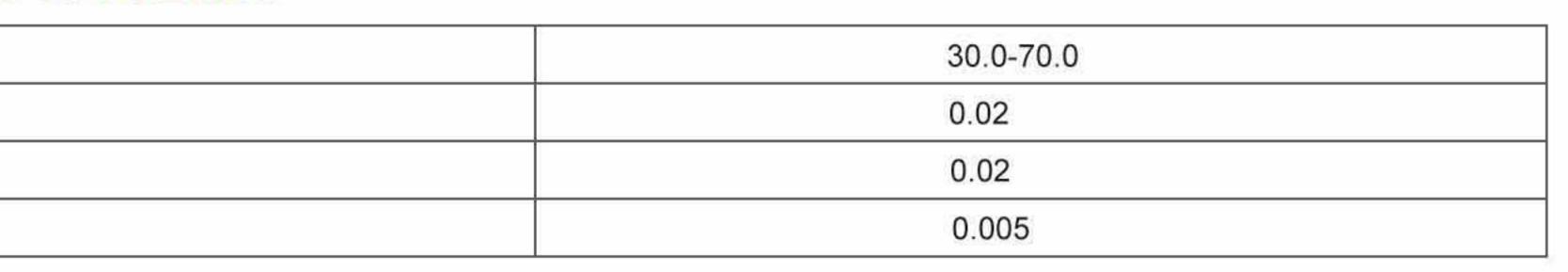
Note: The HF content of the product ranges 49-70% per customer requirements.

Physical Properties

Molecular Weight	N/A	Freezing Point, °C	N/A
Boiling Point, °C	N/A	Appearance	Colorless, Clear
Density(sea level), g/ml	N/A	Odor	Pungent, Caustic

Quality Standards (GB 7744-2008)

HF, %	30.0-70.0
H2SiF6, %≤	0.02
H2SO4, %≤	0.02
Fe. %≤	0.005



CEO Greeting:

Sanmei is a privately owned company proudly headquartered in Wuyi, Zhejiang Province, nicknamed "The Hometown of Fluorite." Over the past 15 years, Sanmei has grown exponentially, but we haven't forgotten our roots. Today Sanmei is proud to be Wuyi's largest employer, with over 2000 employees, all of whom grew up right here. Because Wuyi is our home, Sanmei has never allowed industrial growth to come at the expense of the local environment. We are proud that Wuyi has become a major tourist destination for the pristine natural environment that Sanmei has helped protect.

Thanks to our vast fluorite reserves, Sanmei is able to utilize only the safest and most efficient extraction techniques. We balance our growth aspirations with constant focus on our three core responsibilities: our customers, our families, and our surrounding environment. In China's rapidly evolving business environment, we have built Sanmei to be the company our children can be proud of.

Today Sanmei is the largest manufacturer and distributor of AHF, and a leading producer of fluoride refrigerants (R22.R134a.R125.R32), ODS substitutes, foaming and cleaning agent HCFC-141b, and fluoride salt. Sanmei exports to more than 1,000 customers in over 50 countries. We have established a reputation for consistency and reliability, with sound and transparent management. I promise continuous improvement, and look forward to showing you why Sanmei is the right supplier for your chemical needs.

Faithfully yours, Hanson Hu 胡淇翔 President and CEO Zhejiang Sanmei Chemical Ind. Co., Ltd.





1.1-DICHLORO-1-FLUOROETHANE

HCFH-141b

NET WEIGHT: 250Kgs GROSS WEIGHT: 273Kgs

R134a

C2H2F4 HS Code:29033990.90 UN NO: 3159 Danger Class: 2.2

Applications: Substitute of refrigerants R502 and R22, and extinguishing agents halon-1211 and halon-1301.

Packaging: Disposable cylinder 200g, 250g, 300g, 340g, 750g, 820-850g, 1000g, 7.5lb/3.4kg, 15lb/6.8kg, 30lb/13.6kg, 50lb/22.7kg; Recyclable steel cylinder 800L, 926L; ISO tank.

Physical Properties

Molecular Weight	102.03	Density of Saturated Liquid (25°C), g/ml	1.207
Boiling Point, [°] C	-26.1	Specific Heat of Liquid 25℃, kJ/(kg⋅℃)	1.51
Melting point	-101	Solubility in Water (25℃), %	0.15
Critical Temperature, °C	101.1	Vaporization Heat at Boiling Point, kJ/kg	216.0
Critical Pressure, MPa	4.07	Ozonosphere Damage Potency (ODP)	0
Critical Density, g/cm³	0.512	Global Warming Potency (GWR∞)	1300

Quality Standards (GB/T 18826-2016)

Appearance	Colorless, Clear	High Boiling Residue, ppm by volume	≤50
Odor	Odorless	Chloride, %	Pass
Purity, %	≥99.90	Foul Gas in Air Phase, %	≤1.5
Moisture, ppm	≤10	Unsaturated Olefin, ppm	≤40
Acidity (as Hcl), ppm	≤1		-th

Quality Standards for Aerosol Cans (GB/T36765-2018)

Purity, %	≥99.9	Acidity (as Hcl), ppm	≤1
Moisture, ppm	≤15	High Boiling Residue, ppm by volume	≤50

R125

C2HF5 HS Code: 29033990.90 UN NO: 3220 Danger Class: 2.2

SANMEIEX

WWW.sanmeichern.com

ZSMU
22T7
RIDIADR
UN PORTABLE TANK T50
TC IMPACT APPROVED
13.88 BAR
20 DC
88 70

SANMEI
134a
1.1.2 TETRALLUGROCTHAME
CAS \$11-37-2
NET WEIGHT: 13.6Ag (20%)

Applications: Used as refrigerant.

Packaging: Disposable cylinder 22lb/10kg; Recyclable steel cylinder 926L; ISO tank.

Physical Properties

Molecular Weight	120.02	Critical Density, g/cm³	0.571
Boiling Point (760mmHg, ℃)	-48.45	Heat of Evaporation, kJ/kg	165.0
Density of Liquid at 25°C, g/cm³	1.245	Heat Capacity 25℃. Liquid, kJ/kg	1.26
Critical Temperature, ℃	66.05	Ozonosphere Damage Potency (ODP)	0
Critical Pressure, MPa	3.592	Global Warming Potency (GWP₀)	3170

Quality Standards (HG/T 4633-2014)

Appearance	Colorless, Clear	Moisture, ppm	≤10
Odor	Odorless	Acidity (as Hcl), ppm	≤1
Purity, %	≥99.5	High Boiling Residue, ppm by volume	≤100

R141b

CH3CCL2F HS Code: 2903791014

Applications:

Foaming agent as alternative to CFC11, and precision cleaning agent to substitute CFC-113.

Packaging:

Non-refillable cylinder 30lb/13.6kg; Steel drum in 30L/30kg, 200L; ISO tank.

Physical Properties

Molecular Weight	116.95	Vapour Density (Air=1)	4.1
Boiling Point (1atm), ℃	32.05	Solubility in Water at 25℃, W%	0.509
Critical Pressure, MPa	4.34	Vapour Pressure at 25℃, MPa	0.079
Critical Density, g/cm³	0.433	Specific Heat (25℃), kJ/kg	1.16
Freezing Point (1atm), ℃	-103.5	Percent Volatiles by Volume (20℃)	100.0
Latent Heat of Vaporization at Boiling Point, kJ/kg	223.0	Critical Temperature, ℃	204.1
Density of Liquid at 25℃, g/cm³	1.227	Ozonosphere Damage Potency (ODP)	0.086
Conductivity of Heat Vapor (1atm, 25℃) mw/mk	8.3	Global Warming Potency (GWP ₁₀)	782

Quality Standards (GB/T 18827-2002)

Appearance	Colorless, Clear	Acidity (as Hcl), ppm	≤1
Odor	Odorless	High Boiling Residue, ppm by volume	≤100
Purity, %	≥99.5	Vinylidene Chloride+Dichloroacetylene, ppm	≤200
Moisture, ppm	≤50		

R142b

CH3CCLF2 HS Code: 2903791015 UN NO: 2517 Danger Class: 2.1



Applications:

- 1. Used as working fluid in high-temperature air-conditioners, heat pumps and tempurature controllers.
- 2. Used as component of blend refrigerants, including R22 and R142b (40:60 by mass).
- 3. Used as a blowing agent applied in Polyurethane and Polyethylene foam.

Packaging: Recyclable steel cylinder 400kg/400L, 800kg/800L, 20MT bulk in ISO tank.

Physical Properties

-	<u> </u>	102	
Molecular Weight	100.5	Solubility in Water at 25℃, %	0.14
Boiling Point (1atm), ℃	-9	Specific Heat of Liquid 25℃, kJ/kg℃	1.34
Critical Temperature, °C	137.1	Ozonosphere Damage Potency (ODP)	0.057
Critical Pressure, Mpa	4.12	Global Warming Potency (GWP ₀₀)	1980

Quality Standards (HG/T 4795-2014)

Appearance	Colorless, Clear	Moisture, ppm	≤10
Odor	Odorless	Acidity (as Hcl), ppm	≤1
Liquid Gas Purity, %	≥99.8	High Boiling Residue, ppm by volume	≤50

R22

CHCLF₂

HS Code: 2903710000 UN NO: 1018 Danger Class: 2.2

Applications:

- Used in reciprocating compressors.
- 2. Used as a refrigerant in industrial, commercial, and household air conditioning systems.
- 3. Used to produce insecticide and aerosol for spraying paint or extinguishing agent 1211.
- 4. R22 is the basic material used to produce a wide variety of fluorinated macromolecular compounds.

Packaging: Disposable cylinder 15lb/6.8kg, 22lb/10kg, 30lb/13.6kg, 50lb/22.7kg; Recyclable steel cylinder 40L, 400L, 800L; ISO tank.

SANMEI
22
Chierodifluoromethane (CHCLF:)
CAS 75-45-6
NET WEIGHT: 13.6kg (30lb)

CAS 75-45-6
NET WEIGHT: 13.6 kg (30 lb)

CHLORODELLOROBETHANE SIN (HOFO 2) CASITI-SHA CHLORODELLOROETHANE SIN (HOFO (ICE) CASITI-SHA ISOSUTANE SIN CASITI-SHA NET WEIGHT: 13.6 kg (30 lb)

SANMEI
406A
SIN, ORGEN LUCINION THANKS AT 19-11-10
NET WEIGHT: 13, (Ag (3000))

Physical Properties

Molecular Weight	86.47	Critical Temperature	96
Boiling Point, °C	-40.8	Critical Pressure, MPa	4.91
Relative Density(30°C), Liquid, g/cm³	1.18	Ozonosphere Damage Potency (ODP)	0.055
Melting Point, °C	-146.00	Global Warming Potency (GWP ₁₀)	1760

Quality Index (GB/T 7373-2006)

Grade	Excellent Grade	First Grade
Appearance	Colorless, Clear	Colorless, Clear
Odor	Odorless	Odorless
Purity, %	≥99.9	≥99.6
Moisture, ppm	≤10	≤30
Acidity (as Hcl), ppm	≤0.1	≤1
High Boiling Residue, ppm by volume	≤100	≤100
Foul gas in air phase, % (v/v)	≤1.5	≤1.5

R406A

Refrigerant Components: R22/R600a/R142b (55/4/41) HS Code: 3824740000 / 3824740015 UN NO: 3163 Danger Class: 2.2

Applications: Substitute of dichlorodifluoromethane (R12).

Packaging: Disposable cylinder13.6kg/30lb, 22.7kg/50lb; Recyclable steel cylinder 360kg/400L, 720kg/800L.

Physical Properties

Molecular Weight	89.86	Critical Pressure, MPa	4.88
Boiling Point, (1atm), °C	-32.7	Ozonosphere Damage Potency (ODP)	0.036
Critical Temperature [®] C	116.5	Global Warming Potency (GWP∞)	1780

Quality Standards (AHRI 700-2019)

Appearance	Colorless, Clear	Moisture, ppm	≤10
Odor	Odorless	Acidity (as Hcl), ppm	≤ 1
Purity, %	≥99.5	High Boiling Residue, ppm by volume	≤100



HS Code: 29033990.90 UN NO: 3252 Danger Class: 2.1



Applications: Used as refrigerant, important component for the substitute of R22. Packaging: Disposable cylinder 6.6lb/3kg; Recyclable steel cylinder, 40L/30kg, 926L/670kg; ISO tank.

Physical Properties

	86		40
Molecular Weight	52.02	Critical Density, g/cm³	0.430
Boiling Point (1atm), ℃	-52	Latent Heat of Vaporization at BP kJ/kg	390.5
Melting Point, ℃	-137	Solubility in Water at 25℃, %by weight	0.440
Density of Liquid at 25°C, g/cm³	0.960	Specific Heat of Liquid 25℃, kJ/kg℃	2.35
Vapour Pressure at 25℃, MPa	1.705	Ozonosphere Damage Potency (ODP)	0
Critical Temperature, °ℂ	78.52	Global Warming Potency (GWP ₁₀)	677
Critical Pressure, Mpa	5.808		र्क्ट -

Quality Standards (HG/T 4634-2014)

Appearance	Colorless, Clear	Acidity (as Hcl), ppm	≤1
Odor	Odorless	Foul Gas in Air Phase, %(v/v)	≤1.5
Purity, %	≥99.8	High Boiling Residue, ppm by volume	≤50
Moisture, ppm	≤10		

R143a

CH₃CF₃

HS Code: 29033990.90 UN NO: 2035 Danger Class: 2.1



Applications: Used as refrigerant, as important component of the substitute for R502. Packaging: Recyclable steel cylinder 260kg/400L, 926L; ISO tank.

Physical Properties

Molecular Weight	84.04	Density of Saturated Liquid (25°C), g/ml	0.932
Boiling Point, °C	-47	Specific Heat of Liquid 25℃, [kJ/kg.℃]	1.31
Melting point	-117	Solubility (water, 25°C)%	/
Critical Temperature, °C	73.15	Vaporizatian Heat Under Boiling Point, kJ/kg	231.0
Critical Density, g/cm³	0.455	Ozonosphere Damage Potency (ODP)	0
Critical Pressure, MPa	3.761	Global Warming Potency (GWP∞)	4800

Quality Standards (HG/T 4794-2014)

Appearance	Colorless, Clear	Moisture, ppm	≤10
Odor	Odorless	Acidity (as Hcl), ppm	≤1
Purity, %	≥99.5	High Boiling Residue, ppm by volume	≤100

ISO9001/ISO14001/IATF16949/ISO45001 FOCUS IS EVERYTHING

R410A

Refrigerant Components: R32/ R125 (50/50)

HS Code: 3824780000

UN NO: 3163 Danger Class: 2.2

Applications: Used as refrigerant, replacement for R502.

Packaging: Disposable cylinder 11lb/5kg, 22lb/10kg, 25lb/11.3kg; Recyclable steel cylinder 926L; ISO tank.

SANMEI
410A
Proteinschuse and Diffuserantiere
CASe 314 204 and CAS 75-10-5
NET WEIGHT: 11.3kg (251b)

SANMEI 404A

Pertwiserer and Car Valley
The Research Control Car Valley
NET WEIGHT: 10.9kg (24lb)

Physical Properties

Molecular Weight	72.58	Vapour Pressure at 25℃, MPa	1.653
Boiling Point, °C	-51.6	Specific Heat of Liquid 30℃, [kJ/(kg℃)]	1.78
Critical Temperature, ℃	72.5	Ozonosphere Damage Potency (ODP)	0
Critical Pressure, MPa	4.92	Global Warming Potency (GWP∞)	1920

Quality Standards (HG/T 5162-2017)

Appearance	Colorless, Clear	Acidity (as Hcl), ppm	≤1
Odor	Odorless	High Boiling Residue, ppm by volume	≤100
Purity, %	≥99.5	Chloride, %	Pass
Moisture, ppm	≤10	Foul Gas in Air Phase, %	≤1.5

R404A

Refrigerant Components: R125/R143a/R134a (44/52/4)

HS Code: 3824780000

UN NO: 3337 Danger Class: 2.2

Applications: Used as refrigerant, replacement of R502.

Packaging: Disposable cylinder 24lb/10.9kg; Recyclable steel cylinder 400L, 800L, 926L; ISO tank.

Physical Properties

Molecular Weight	97.6
Boiling Point, °C	-46.8
Critical Temperature [®] C	72.4
Critical Pressure, MPa	3.69
Vapour Pressure at 25℃, MPa	1.255
Specific Heat of Liquid 30℃, kJ/(kg℃)	0.38
Ozonosphere Damage Potency (ODP)	0
Global Warming Potency (GWP)	3940

Quality Standards (HG/T 5161-2017)

Appearance	Colorless, Clear	Acidity (as Hcl), ppm	≤1
Odor	Odorless	High Boiling Residue, ppm by volume	≤100
Purity, %	≥99.5	Chloride, %	Pass
Moisture, ppm	≤10	Foul Gas in Air Phase, %	≤1.5



Refrigerant Components: R32/R125/R134a (23/25/52)
HS Code: 3824780000

UN NO: 3340 Danger Class: 2.2

Applications: Used as refrigerant, replacement of R22.

Packaging: Disposable cylinder 22lb/10kg, 25lb/11.3kg; Recyclable steel cylinder 400L, 926L; ISO tank.

Physical Properties

Molecular Weight	86.2	Vapour Pressure at 25℃, MPa	1.174
Boiling Point, °C	-43.56	Specific Heat of Liquid (30°ℂ), kJ/(kg°ℂ)	1.51
Critical Temperature, ℃	86.74	Ozonosphere Damage Potency (ODP)	0
Critical Pressure, MPa	4.619	Global Warming Potency (GWP∞)	1620

■ Quality Standards (GB/T 38100-2019)

Appearance	Colorless, Clear	Acidity (as Hcl), ppm	≤1
Odor	Odorless	High Boiling Residue, ppm by volume	≤100
Purity, %	≥99.5	Chloride, %	Pass
Moisture, ppm	≤10	Foul Gas in Air Phase, %	≤1.5

R507A

Refrigerant Components: R125/R143a (50/50)

HS Code: 3824780000

UN NO: 3163 Danger Class: 2.2

Applications: Used as refrigerant, replacement of R22 and R502.

Packaging: Disposable cylinder 22lb/10kg, 25lb/11.3kg; Recyclable steel cylinder 400L, 800L, 926L; ISO tank.

Physical Properties

Molecular Weight	98.9	Vapour Pressure at 25℃, MPa	1.287
Boiling Point, °C	-46.7	Solubility (water,25℃), %	0.89
Critical Temperature, ℃	70.62	Ozonosphere Damage Potency (ODP)	0
Critical Pressure, MPa	3.79	Global Warming Potency (GWP _∞)	3990

■ Quality Standards (AHRI 700-2019)

Appearance	Colorless, Clear	
Odor	Odorless	
Purity,%	≥99.5	
Moisture, ppm	≤10	
Acidity (as Hcl), ppm	≤1	
High Boiling Residue, ppm by volume	≤100	
Chloride, %	Pass	
Foul Gas in Air Phase, %	≤1.5	



SANMEI 407C

NET WEIGHT: 11.3kg (251b)

ISO9001/ISO14001/IATF16949/ISO45001 FOCUS IS EVERYTHING