

SAFETY DATA SHEET

SaniGuard

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier: SaniGuard

Product code: TBA

1.2 Relevant uses of the substance or mixture and uses advised against:

Supplied for use as a surface sanitiser

1.3 Details of the supplier of the safety data sheet:

IC Solutions 24/7 Limited
Centenary Business Centre
Hammond Close
Attleborough Fields
Nuneaton
Warwickshire
CV11 6RY
United Kingdom

Telephone Number: +44 (0) 24 76 34 77 22
E-mail Address: info@saniguard-europe.com

1.4 Emergency telephone number

+44 (0) 24 76 34 77 22

Only available office hours Monday – Friday 0900 to 1600 (English language)

2. Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Flammable Aerosol Category 1

H222: Extremely flammable aerosol

H229: Pressurised container: May burst if heated

STOT SE Category 3

H336: May cause drowsiness or dizziness

Aquatic Chronic Category 2

H411: Toxic to aquatic life with long lasting effects

2.2 Label Elements according to Regulation (EC) No 1272/2008 [CLP]

Saniguard
(Contains: Isopentane)



Signal word: DANGER

Hazard Statements:

H222 Extremely flammable aerosol
H229 Pressurised container: May burst if heated
H336 May cause drowsiness or dizziness
H411 Toxic to aquatic life with long lasting effects

Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.

SAFETY DATA SHEET

SaniGuard

- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P261 Avoid breathing gas/mist/vapours/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P312 Call a POISON CENTRE/doctor if you feel unwell.
- P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P501 Dispose of contents/container in accordance with local/national regulations.

2.3 Other hazards

EUH066 Repeated exposure may cause skin dryness or cracking.







This mixture does not contain any substances that are assessed to be PBT or vPvB.

3. Composition/information on ingredients

3.1 Product Code: tba

3.2 Mixtures

3.3 Hazardous components

Chemical Name	CAS-No./ECS-No.	Annex Index or REACH number	Pictogram(s) according to 1272/2008:	H-phrase(s) according to 1272/2008:	Concentrations [%]
Isopentane; 2-methyl-butane	78-78-4/ 201-142-8	Index No: 301-085-00-2	GHS02  GHS07  GHS08  GHS09 	Flam. Liq. 1 H224 Asp. Tox. 1 H304 STOT SE 3 H336 Aquatic Chronic 2 H411 EUH066	35 - 45
1,1-difluoroethane	75-37-6/ 200-866-1	-	GHS02 	Flam. Gas 1 H220 Liquefied gas H280	25 - 35
Ethyl alcohol	64-17-5/ 200-578-6	Index No: 603-002-00-5	GHS02 	Flam. Liq. 2 H225	25 - 35

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The full hazard information for individual components if not displayed in section 2 or 3 are displayed in Section 16.

4.0. First Aid Measures

4.1 Description of first aid measures

General advice

Immediate medical attention is required if in contact with hot product. Move out of dangerous area. Show this safety data sheet to the doctor in attendance.

Inhalation

Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion

Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Get medical attention if adverse health effects persist or are severe.

Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

Wash skin immediately with soap and water. Get medical attention if irritation develops and persists. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact

Cold product - Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Protect unharmed eye. Continue to rinse and get medical attention immediately. Continue to rinse during transport. If eye irritation persists, consult a specialist.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Inhalation

May cause drowsiness or dizziness.

Ingestion

No specific information.

Skin

No specific information.

Eyes

Contact with hot product may cause burns and severe damage to eyes. Product and dust may cause irritation to eyes.

SAFETY DATA SHEET

SaniGuard

See SECTION 11 for more detailed information on health effects and symptoms.

4.3 Indications of any immediate medical attention and special treatment needed

Notes to physician

No specific treatment. Treat symptomatically.

Protection of first aid personnel

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash Contaminated clothing thoroughly with water before removing it, or wear gloves.

5. Fire-Fighting measures

5.1 Extinguishing media

Suitable

Use water spray, fog or foam, carbon dioxide. Use an extinguishing agent suitable for the surrounding fire.

Not suitable

Do not use water jet.

5.2 Special hazards arising from the substance or mixture

In a fire or if heated, a pressure increase may occur. PRODUCT CONTAINS FLAMMABLE INGREDIENTS UNDER PRESSURE.

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

In combustion may emit toxic fumes.

5.3 Advice for firefighters

Special precautions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation.

Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Avoid breathing vapour, gases or mist.

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Small spill :

Eliminate all ignition sources. Move containers from spill area. Dispose of via a licensed waste disposal contractor. Stop leak if without risk.

SAFETY DATA SHEET

SaniGuard

Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container.

Large spill :

Eliminate all ignition sources. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations . Contaminated absorbent material may pose the same hazard as the spilled product.

6.4 Reference to other sections

Note: see SECTION 1 for emergency contact information, SECTION 8 for personal protection and section 13 for waste disposal.

7. Handling and storage

7.1 Precaution for safe handling

Avoid contact with skin, eyes and clothing. Avoid inhalation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing gases, vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Supplied for use as a as a surface sanitiser.

8.Exposure controls/personal protection

8.1 Control Parameters

Workplace exposure Limits as defined by UK HSE in document EH40/2005 where available:

Substance	CAS number	Workplace Exposure Limit				Comments
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)		
		ppm	mg.m ⁻³	ppm	mg.m ⁻³	
Ethanol	64-17-5	1000	1920	-	-	The Carc, Sen and Sk notations are not exhaustive. Notations have been applied to the substances identified in IOELV Directives
Isopentane	78-78-4	600	1800	-	-	-

8.2 Exposure controls

SAFETY DATA SHEET

SaniGuard

General

Avoid contact with skin, eyes and clothing.

Hygiene measures :

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure that there is sufficient ventilation of the area.

Eye and face protection

Wear tightly fitting safety goggles and Face shield that meet EN 166 a/o ANSI Z87.1 standards

Skin protection

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact. Always seek advice from glove suppliers. Select gloves approved to EU standard EN407. Wear impermeable protective clothing, butyl rubber apron and boots.

Inhalation

Provide a good standard of general ventilation. Use outdoors or ensure not less than 3 to 5 air changes per hour. Applicable standards for continuous wear time of less than 2 hour are BS EN 140 mask and BS EN 143 Filter; BS EN 1827.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Liquid under pressure

Colour: Clear

Odour: Lemon and lime

Odor threshold: No data

pH: 8.41 at 15.2 °C

Melting Point: No data

Initial boiling point and boiling range: No data

Flash point: No data

Evaporation rate: No data

Flammability: No data

Explosion limits

Upper: No data

Lower: No data

Vapour pressure: No data

Vapour density: No data

Relative density: No data

Solubility: Insoluble in water

Partition coefficient: n-octanol/water No data

Auto-ignition temperature: No data

Decomposition temperature: No data

Viscosity: Not applicable

Explosive properties: No data

Oxidising properties: No data

9.2 Other Information

No other relevant information available

10. Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

SAFETY DATA SHEET**SaniGuard**

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

10.5 Incompatible materials

Avoid heat and sources of ignition. Do not use with strong acids, strong oxidisers or strong bases.

10.6 Hazardous decomposition products

In combustion may emit toxic fumes. Product contains flammable ingredients under pressure.

11. Toxicological Information**11.1 Information on toxicological effects**

The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3

Acute toxicity:	Not expected to be toxic.
Skin corrosion/irritation:	Product is not classified as causing skin irritation.
Serious eye damage/irritation:	Product is not classified as causing severe eye irritation or eye damage.
Respiratory or skin sensitisation:	Product is not classified as causing skin or respiratory sensitisation.
Germ cell mutagenicity:	No information specified.
Carcinogenicity:	No information specified.
Reproductive toxicity:	No information specified.
STOT-single exposure:	Product is classified as having Specific Target Organ Toxicity for single exposure category 3
STOT-repeated exposure:	No information specified.
Aspiration hazard:	No information specified.

Toxicological information on hazardous ingredients where available:**Isopentane**

Acute toxicity (inhalation): LCLo 419 g/m³, 2hr exposure Species: mouse

Source: Isopentane SDS, Gas Innovations 23/03/2015

1,1-difluoroethane

Acute inhalation toxicity: LC50(Rat): > 437500 ppm

Exposure time: 4 h

Test atmosphere: gas

No observed adverse effect concentration(Dog): 50000 ppm

Test atmosphere: gas

Symptoms: Cardiac sensitization

Lowest observed adverse effect concentration(Dog): 150000 ppm

Test atmosphere: gas

Symptoms: Cardiac sensitization

Cardiac sensitisation threshold limit(Dog): 405,000 mg/m³

Test atmosphere: gas

Symptoms: Cardiac sensitization

Skin corrosion/irritation

Not classified based on available information.

SAFETY DATA SHEET**SaniGuard****Serious eye damage/eye irritation**

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information

Germ cell mutagenicity:

Not classified based on available information

Germ cell mutagenicity - Assessment:

Weight of evidence does not support classification as a germ cell mutagen

Carcinogenicity:

Not classified based on available information.

Carcinogenicity - Assessment: Weight of evidence does not support classification as a carcinogen

Reproductive toxicity:

Not classified based on available information.

Reproductive toxicity - Assessment: Weight of evidence does not support classification for reproductive toxicity

STOT- single exposure

Not classified based on available information.

STOT- repeated exposure

Not classified based on available information.

1,1-Difluoroethane:

Assessment: No significant health effects observed in animals at concentrations of 1 mg/l/6h/d or Less

Repeated dose toxicity

Species: Rat NOAEL: 67.485 mg/l

Application Route: inhalation (vapor)

Exposure time: 104 Weeks

Remarks: No significant adverse effects were reported

Aspiration toxicity

Not classified based on available information

Source: 1,1-difluorethane SDS, The Chemours Company FC, LLC, 21/08/2017

12. Ecological Information**12.1 Toxicity**

Mixture classified as toxic to aquatic life with long-lasting effects.

Toxicity of ingredients where available:**Isopentane:**

Endpoint: short-term toxicity to fish

Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)

Type of information: (Q)SAR

The estimated freshwater fish 96 hour LL50 value is 34.05 mg/l based on mortality

Endpoint: adult fish: sub(lethal) effects

Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)

Type of information: (Q)SAR

Duration: 28 d

Dose descriptor: NOELR

Effect conc.: 7.618 mg/L

SAFETY DATA SHEET

SaniGuard

Date: 20th January 2020

Version: 1.1

Revision number: n/a

Supersedes: n/a

Source: ECHA 'Registered substances'

<https://www.echa.europa.eu/web/guest/registration-dossier/-/registered-dossier/15838/6/2/2>

1,1-difluoroethane

Toxicity to fish: LC50(Fish): 295.78 mg/l

Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50(Daphnia): 146.7 mg/l

Exposure time: 48 h

Toxicity to algae: EC50(algae): 47.76 mg/l

Exposure time: 96 h

Source: 1,1-difluoroethane SDS, The Chemours Company FC, LLC, 21/08/2017

12.2 Persistence and degradability

Information not available.

12.3 Bioaccumulative potential

No information.

12.4 Mobility in soil

No information.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be PBT or vPvB.

12.6 Other adverse effects

No information.

13. Disposal considerations

13.1 Waste Treatment Methods

Methods of disposal:

The generation of waste should be avoided or minimized wherever possible.

Empty containers or liners may retain some product residues.

This material and its container must be disposed of in a safe way.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the

requirements of environmental protection and

waste disposal legislation and any regional local authority requirements.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste:

The classification of the product may meet the criteria for a hazardous waste.

14. Transport Information

14.1 UN number: UN1950

14.2 UN proper shipping name: Aerosols, flammable

14.3 Transport hazard: Class 2.1

14.4 Packing group: N/A

14.5 Environmental hazards: Yes.

14.6 Special precautions for user: None given

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Applicable for Maritime bulk transport only. Check with carrier.

SAFETY DATA SHEET**SaniGuard**15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

This substance is classified and labelled in accordance with regulation 1272/2008 and Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical Safety Assessment

CSA not undertaken for this substance

16. Other Information

Asp. Tox. 1	Aspiration Toxicity category 1
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50%
Flam. Gas. 1	Flammable Gas category 1
Flam. Liq. 1	Flammable Liquid category 1
Flam. Liq. 2	Flammable Liquid category 2
LC/LD50	Lethal Concentration/Dose 50%
LCL0	Lowest Lethal Concentration
NOEC	No Observed Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
OECD	Organisation for Economic Co-operation and Development
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative, Toxic
(Q)SAR	Quantitative structure–activity relationship
STOT SE3	Specific Target Organ Toxicity Single Exposure 3
vPvB	very Persistent, very Bioaccumulative

Other Hazard Information assigned to individual ingredients, but not carried to final classification:

H304 May be fatal if swallowed and enters airways.

SDS information:

This safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with regulation 1272/2008 and Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

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