SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name
FW-1661 Spray
Product no.
12875
REACH registration number
Not applicable

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture
Leak Detector
Uses advised against
-
The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address
ITW Spraytec Nordic
Priorsvej 36
8600 Silkeborg
Tlf.: +45 86 82 64 44
SDS info.: www.itwinfo.dk
Contact person
Kundeservice: Tlf: (+45) 8682 6444
E-mail
info@itw-spraytec.dk
SDS date
2017-06-19
SDS Version
3.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aerosol 3; H229
See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)
-
Signal word
Warning
Hazard statement(s)
Pressurised container: May burst if heated. (H229)

Safety statement(s)

General	Keep out of reach of children. (P102).
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210). Do not pierce or burn, even after use. (P251). Avoid breathing spray/mist. (P261). Use only outdoors or in a well-ventilated area. (P271).
Response	-
Storage	Protect from sunlight. Do no expose to temperatures exceeding 50

°C/122°F. (P410+P412).

Disposal -

Identity of the substances primarily responsible for the major health hazards

-

2.3. Other hazards

-

Additional labelling

-

Additional warnings

-

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	Propan-1,2-diol
IDENTIFICATION NOS.:	CAS-no: 57-55-6 EC-no: 200-338-0
CONTENT:	25-40%
CLP CLASSIFICATION:	NA
NAME:	N,N-bis(2-hydroxyethyl)oleamide
IDENTIFICATION NOS.:	CAS-no: 93-83-4 EC-no: 202-281-7
CONTENT:	1-3%
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Dam. 1 H315, H318
NAME:	carbon dioxide
IDENTIFICATION NOS.:	CAS-no: 124-38-9 EC-no: 204-696-9
CONTENT:	1-3%
CLP CLASSIFICATION:	Comp. Gas H280
NOTE:	L

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.
L = European occupational exposure limit.

Other information

ATEmix(oral) > 2000
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,2 - 0,3
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,2 - 0,3

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him.

Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

4.2. Most important symptoms and effects, both acute and delayed

No special

4.3. Indication of any immediate medical attention and special treatment needed

No special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Nitrogen oxides. Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. Aerosols may explode if heated / fire.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on “Disposal considerations” in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

< 50°C

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

carbon dioxide (EH40, 2011)
Long-term exposure limit (8-hour TWA reference period): 5000 ppm | 9150 mg/m³
Short-term exposure limit (15-minute reference period): 15000 ppm | 27400 mg/m³

DNEL / PNEC

No data available

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

▼ Observe general occupational hygiene standards.

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

▼Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

▼Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

▼Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

▼Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

▼ -

Generally

Use only CE marked protective equipment.

▼Respiratory Equipment

Respiratory protection is not normally required in well-ventilated areas. In case of inadequate ventilation a respirator with filter A2 is recommended.

▼Skin protection

No special requirements.

▼Hand protection

Gloves are usually not required. In case of prolonged or repeated skin contact, nitrile gloves are recommended.

▼Eye protection

Wear safety goggles if there is a risk of eye splash.

SECTION 9: Physical and chemical properties

▼9.1. Information on basic physical and chemical properties

Form	Aerosol
Colour	White
Odour	None
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm³)	0,76

▼ Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.

▼ Data on fire and explosion hazards

Flashpoint (°C)	No data available.
Ignition (°C)	No data available.
Self-ignition (°C)	No data available.
Explosion limits (Vol %)	No data available.

▼ Solubility

Solubility in water	Soluble
n-octanol/water coefficient	No data available.

▼9.2. Other information

Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

▼ 10.2. Chemical stability

The product is stable under the conditions, noted in the section “Handling and storage”.

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

No special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
N,N-bis(2-hydroxyethyl)oleamid...	Mouse	LD50	Oral	10000 mg/kg
	Mouse	LD50	Oral	22000 mg/kg
Propan-1,2-diol	Rabbit	LD50	Skin	20800 mg/kg
Propan-1,2-diol	Rat	LD50	Intravenous	6423 mg/kg
Propan-1,2-diol				

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

No special

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Duration	Result
Propan-1,2-diol	Daphnia	LC50	48 h	1000 mg/L
Propan-1,2-diol	Fish	LC50	96 h	710 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result

No data available.

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF

No data available.

12.4. Mobility in soil

Propan-1,2-diol: Log Koc= -0,650148, Calculated from LogPow ().

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Waste

EWC code

16 05 04	gases in pressure containers (including halons) containing dangerous substances

Specific labelling

-

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number	1950
14.2. UN proper shipping name	AEROSOLS, SUFFOCATING
14.3. Transport hazard class(es)	2.2
14.4. Packing group	-
Notes	-
Tunnel restriction code	E

IMDG

UN-no.	1950
Proper Shipping Name	AEROSOLS, SUFFOCATING
Class	2.2
PG*	-
EmS	F-D, S-U
MP**	No
Hazardous constituent	-

IATA/ICAO

UN-no.	1950
Proper Shipping Name	AEROSOLS, SUFFOCATING
Class	2.2
PG*	-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No data available

(*) Packing group
(**) Marine pollutant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application

-

Demands for specific education

-

Additional information

-

Sources

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.
The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and

repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H280 - Contains gas under pressure; may explode if heated.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.

The full text of identified uses as mentioned in section 1

-

Other symbols mentioned in section 2

Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:
The classification of the mixture in regard of physical hazards has been based on experimental data. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

MJH

Date of last essential change (First cipher in SDS version)

2016-01-18

Date of last minor change (Last cipher in SDS version)

2016-01-18