

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006  
(REACH)



**Trade name :** Top Flavour WI (060.130)  
**Revision date :** 01.01.2026  
**Print date :** 09.03.2026

**Version (Revision) :** 6.0.0 (5.2.0)

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

**1.1 Product identifier**

Top Flavour WI (060.130)  
Unique Formula Identifier : UF92-901A-3004-6Y1T

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

PC 0.79 - Flavouring agents , Industrial uses

**1.3 Details of the supplier of the safety data sheet**

**Supplier**

Hertz & Selck GmbH & Co.

**Street :** Tarpenring 23

**Postal code/City :** 22419 Hamburg

**Telephone :** +49 40 432576-0

**E-mail (competent person) :** safety@hertz-selck.de

**1.4 Emergency telephone number**

+49 40 4325760 (6 – 18 h, local time)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

None

**2.2 Label elements**

None

**2.3 Other hazards**

**Adverse environmental effects**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous ingredients**

None

**Additional information**

This mixture contains no substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**Following inhalation**

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious but breathing normally, place in recovery position and seek medical advice.

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**In case of skin contact**

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately.

**After eye contact**

Rinse immediately carefully and thoroughly with eye-bath or water.

**Following ingestion**

Rinse mouth thoroughly with water.

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

No known symptoms to date.

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

None

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>) , alcohol resistant foam , Extinguishing powder , Water mist .

**Unsuitable extinguishing media**

Full water jet

**5.2 Special hazards arising from the substance or mixture**

In case of fire may be liberated: Carbon monoxide

**5.3 Advice for firefighters**

Use suitable breathing apparatus.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation.

**6.2 Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3 Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Ventilate affected area. Treat the recovered material as prescribed in the section on waste disposal.

**6.4 Reference to other sections**

None

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Use only in well-ventilated areas.

**Advices on general occupational hygiene**

When using do not eat, drink, smoke, sniff.

**7.2 Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Floors should be impervious, resistant to liquids and easy to clean. Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed.

**Hints on joint storage**

**Storage class (TRGS 510) :** 10

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**Further information on storage conditions**

Keep away from sources of ignition - No smoking.

**7.3 Specific end use(s)**

None

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Occupational Exposure Limit - RCP-method TRGS 900 ( D )

**Occupational exposure limit values**

BUTANEDIONE ; CAS No. : 431-03-8

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 0,02 ppm / 0,071 mg/m<sup>3</sup>

Peak limitation : 1(II)

Remark : H, Sh, Y

Version : 06.05.2025

Limit value type (country of origin) : STEL ( EC )

Limit value : 0,36 mg/m<sup>3</sup> / 0,1 ppm

Version : 09.03.2022

Limit value type (country of origin) : STEL ( EC )

Limit value : 0,36 mg/cm<sup>3</sup> / 0,1 ppm

Version :

Limit value type (country of origin) : TWA ( EC )

Limit value : 0,07 mg/m<sup>3</sup> / 0,02 ppm

Version : 09.03.2022

Limit value type (country of origin) : TWA ( EC )

Limit value : 0,07 mg/cm<sup>3</sup> / 0,02 ppm

Version :

**8.2 Exposure controls**

**Personal protection equipment**

**Eye/face protection**

**Suitable eye protection**



Eye glasses with side protection

**Skin protection**

**Hand protection**



Disposable gloves.

**Suitable material :** NBR (Nitrile rubber)

**Recommended glove articles :** Dermatril P , EN ISO 374

**Body protection**

Overall , lab coat

**Recommended material :** Natural fibres (e.g. cotton)

**Respiratory protection**

Usually no personal respiratory protection necessary. Respiratory protection necessary at: insufficient ventilation , aerosol or mist formation.

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**General information**

Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Colour :** brown

**Odour :** characteristic

**Safety characteristics**

<b>Physical state :</b>			Liquid
<b>Melting point/freezing point :</b>	( 1013 hPa )		No data available
<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	approx.	120 °C
<b>Decomposition temperature :</b>	( 1013 hPa )		No data available
<b>Flash point :</b>		>	100 °C
<b>Auto-ignition temperature :</b>			No data available
<b>Lower explosion limit :</b>			No data available
<b>Upper explosion limit :</b>			No data available
<b>Density :</b>	( 20 °C )		1,043 - 1,083 g/cm <sup>3</sup>
<b>Water solubility :</b>	( 20 °C )		No data available
<b>pH :</b>			5,8
<b>log P O/W :</b>			No data available
<b>Viscosity :</b>	( 20 °C )		No data available
<b>Kinematic viscosity :</b>	( 40 °C )		No data available
<b>Odour threshold :</b>			No data available
<b>Vapourisation rate :</b>			No data available
<b>Maximum VOC content (EC) :</b>			84,6 Weight-%
<b>Flammable solids :</b>		No data available.	
<b>Flammable gases :</b>		No data available.	
<b>Explosive properties :</b>		No data available.	

**9.2 Other information**

None

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

There are no data available on the mixture itself.

**10.2 Chemical stability**

There are no data available on the mixture itself.

**10.3 Possibility of hazardous reactions**

There are no data available on the mixture itself.

**10.4 Conditions to avoid**

Vapours of flammable solvents can accumulate in the gas phase of closed container, especially during heat treatment. Therefore keep away from fire and sources of ignition.

**10.5 Incompatible materials**

Strong acid , Strong alkali , Oxidizing agent.

**10.6 Hazardous decomposition products**

There are no data available on the mixture itself.

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## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Frequently or prolonged contact with skin may cause dermal irritation. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### 11.2 Information on other hazards

No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

There are no data available on the mixture itself.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

There are no data available on the mixture itself.

### 12.4 Mobility in soil

There are no data available on the mixture itself.

#### Adsorption

### 12.5 Results of PBT and vPvB assessment

There are no data available on the mixture itself.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Endocrine disrupting properties

No information available.

### 12.7 Other adverse effects

There are no data available on the mixture itself.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### 14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

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**SECTION 15: Regulatory information**

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

**EU legislation**

**Authorisations and/or restrictions on use**

**Restrictions on use**

**Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)**

Use restriction according to REACH annex XVII, no. : 75

**National regulations**

**Water hazard class**

Classification according to AwSV - Class : 2 (Obviously hazardous to water)

**15.2 Chemical Safety Assessment**

No information available.

**SECTION 16: Other information**

**16.1 Indication of changes**

02. Label elements · 08. Occupational exposure limit values

**16.2 Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Arbeitsplatzgrenzwert (=occupational exposure limit)
ATE	Acute Toxicity Estimate
AwSV	Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen
CAS	Chemical Abstract Service
CLP	Classification, Labelling and Packaging of substances and mixtures
CMR	cancerogen, mutagen, reprotoxic
EC50	Half maximal effective concentration
ECHA	European Chemicals Agency
EC	European Community
DNEL	Derived No-Effect Level
GHS	Globally Harmonized System
IATA	International Air Transport Association
IATA-DGR	IATA-Dangerous Goods Regulations
ICAO	International Civil Aviation Organization
ICAO-TI	Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG-Code	International Maritime Code for Dangerous Goods
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
LOEC	Lowest Observed Effect Concentration
LQ	Limited Quantity
MAK	Maximale Arbeitsplatz-Konzentration (=maximum allowable concentration)
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.a.	not applicable
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development

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PBT	persistent, bioaccumulative and toxic
PNEC	Predicted No-Effect Concentration
pOW	Partition coefficient
RAC	Risk Assessment Committee
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RCP	Representative Concentration Pathway
RID	Regulation on the International Carriage by Rail of Dangerous Goods
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
SVHC	Substance with Very High Concern
TLV	Threshold Limit Value
TRGS	Technische Regeln für Gefahrstoffe (= Technical Rules for Hazardous Substances)
TRK	Technische Richtkonzentration (= Technically Standard Concentration)
TWA	Time-weighted-average
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative
WGK	Water hazard class

**16.3 Key literature references and sources for data**

None

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

No information available.

**16.5 Relevant H- and EUH-phrases (Number and full text)**

None

**16.6 Training advice**

None

**16.7 Additional information**

None

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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