

Regulation (EU) n. 2020/878

Safety Data Sheet date: 5/3/2024, version 4

ECTION 1. Identificatio	··· · · · · · · · · · · · · · · · · ·
	n of the substance/mixture and of the company/undertaking
1.1. Product identifie	r
Trade name:	SKYRESTORE 406
SDS code:	104005EU
UFI:	F4QN-0QA8-QN9C-F67G
1.2. Relevant identifie	ed uses of the substance or mixture and uses advised against
Recommended use:	
Cleaner	
Industrial uses	
	oplier of the safety data sheet
Manufacturers	
Socomore SAS	
Zone Industrielle	e du Prat - CS 23707 - 56037 VANNES CEDEX - France
	e du Prat - CS 23707 - 56037 VANNES CEDEX - France 7 43 76 83 - Fax : +33 (0)2 97 54 50 26
Tel : +33 (0)2 9	7 43 76 83 - Fax : +33 (0)2 97 54 50 26
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France : ORFILA (INRS) +33 (0)1 45 42 59 59 International : CHEMTEL +1-813-248-0585.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Warning, Skin Irrit. 2, Causes skin irritation.

- ⁽¹⁾ Warning, Eye Irrit. 2, Causes serious eye irritation.
- ⁽¹⁾ Warning, Skin Sens. 1, May cause an allergic skin reaction.
- ⁽Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

socomore

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH)) SKYRESTORE 406



Warning Hazard statements: H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. Precautionary statements: P261 Avoid breathing vapours. P264 Wash hands thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/clothing and eye/face protection. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P391 Collect spillage. Special Provisions: None Contains Dodecane-1-thiol

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb	er	Classification
>= 12.5% - < 15%	Dimethyl succinate	CAS: EC: REACH No.:	106-65-0 203-419-9 01- 2119486681 -29	
>= 7% - < 10%	3-butoxypropan-2-ol; propylene glycol monobutyl ether	Index number: CAS: EC: REACH No.:	5131-66-8 225-878-4	 ¹3.3/2 Eye Irrit. 2 H319 ¹3.2/2 Skin Irrit. 2 H315

104005EU - version 4 Page 2 / 14



			2119475527 -28	
>= 1% - < 3%	Dodecane-1-thiol	CAS: EC: REACH No.:	112-55-0 203-984-1 01- 2119491318 -31	 3.2/1C Skin Corr. 1C H314 3.4.2/1A Skin Sens. 1A H317 3.3/1 Eye Dam. 1 H318 4.1/A1 Aquatic Acute 1 H400 M=10. 4.1/C1 Aquatic Chronic 1 H410 M=10.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

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

Treatment:

No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water. Carbon dioxide (CO2). Extinguishing media which must not be used for safety reasons: None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.



5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection 8.1. Control parameters

Occupational exposure limit values

Dodecane-1-thiol - CAS: 112-55-0

- OEL Type: ACGIH - TWA(8h): 0.1 ppm - Notes: DSEN - URT irr

- OEL Type: National - TWA: 0.1 ppm - Notes: Portugal

- OEL Type: National - TWA: 0.1 ppm - Notes: Spain



- OEL Type: National - TWA(8h): 0.84 mg/m3, 0.1 ppm - Notes: Belgium

DNEL Exposure Limit Values

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8 Worker Industry: 44 mg/kg b.w./day - Consumer: 16 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects Worker Industry: 270.5 mg/m3 - Consumer: 33.8 mg/m3 - Exposure: Human Inhalation -Frequency: Long Term, systemic effects Consumer: 8.75 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Target: Fresh Water - Value: 0.525 mg/l

Target: Marine water - Value: 0.0525 mg/l

Target: Microorganisms in sewage treatments - Value: 10 mg/l

Target: Freshwater sediments - Value: 2.36 mg/kg dw

Target: Marine water sediments - Value: 0.236 mg/kg dw

Target: Soil (agricultural) - Value: 0.16 mg/kg dw

Biological Exposure Index

N.A.

8.2. Exposure controls

See below, example of PPE to use.

Eye protection: Use close fitting safety goggles, don't use eye lens. Protection for skin: Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton. Protection for hands: Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. Respiratory protection: Not needed for normal use. Thermal Hazards: None Environmental exposure controls: None Appropriate engineering controls: None Other conditions affecting workers exposure: None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid		
Colour:	Clear to hazy		
Odour:	N.A.		



Melting point/freezing point:	N.A.		
Boiling point or initial boiling point and boiling range:	N.A.		
Flammability:	N.A.		
Lower and upper explosion limit:	N.A.		
Flash point (°C):	79		
Auto-ignition temperature:	N.A.		
Decomposition temperature:	N.A.		
pH:	9		
Kinematic viscosity:	N.A.		
Solubility in water:	N.A.		
Solubility in oil:	N.A.		
Partition coefficient n- octanol/water (log value):	N.A.		
Vapour pressure:	N.A.		
Density and/or relative density:	1.06		
Relative vapour density:	N.A.		
	Particle cha	racteristics:	
Particle size:	N.A.		

9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	3000 cps		

Volatile Organic compounds - VOCs = 29.8 % Volatile Organic compounds - VOCs = 317 g/l

N.A. = not available



SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

- **10.2. Chemical stability** Stable under normal conditions
- 10.3. Possibility of hazardous reactions None
- **10.4. Conditions to avoid** Stable under normal conditions.
- **10.5. Incompatible materials** None in particular.
- **10.6. Hazardous decomposition products** None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Toxicological information of the product: **SKYRESTORE 406** Acute toxicity Not classified Based on available data, the classification criteria are not met Skin corrosion/irritation The product is classified: Skin Irrit. 2 H315 Serious eye damage/irritation The product is classified: Eye Irrit. 2 H319 Respiratory or skin sensitisation The product is classified: Skin Sens. 1 H317 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 classified Based on available data, the classification criteria are not met Toxicological information of the main substances found in the product:



```
Dimethyl succinate - CAS: 106-65-0
Acute toxicity:
      Test: LD50 - Route: Skin - Species: Rabbit > 5.000 mg/kg
      Test: LD50 - Route: Oral - Species: Rat > 2.000 mg/kg - Notes: estimated to be 2,000 -
      5.000 mg/kg
3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8
Acute toxicity:
      Test: LD50 - Route: Oral - Species: Rat = 2.700 mg/kg
      Test: LD50 - Route: Skin - Species: Rat > 2.000 mg/kg
      Test: LC50 - Route: Inhalation Vapour - Species: Rat > 3.5 mg/l
Dodecane-1-thiol - CAS: 112-55-0
Acute toxicity:
      Test: LD50 - Route: Oral - Species: Rat (male) = 5000 mg/kg - Source: OECD 401
      Test: LD50 - Route: Skin - Species: Rat (male) = 2000 mg/kg - Source: OECD 401
STOT-repeated exposure:
      Test: NOEL - Route: Inhalation - Species: Rat = 0.01 mg/l - Duration: 4 weeks (daily, 5
      days/week) - Notes: Dose: 0, 0.43, 1.6, 7.3 ppm
      Test: LOEL - Route: Skin - Species: Rat = 0.06 mg/l
      Test: NOEL - Route: Inhalation - Species: DOG = 1.7 ppm - Duration: 4 weeks (daily, 5
      days/week) - Notes: Dose: 0, 0.44, 1.7, 7.7 ppm
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11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

Other toxicological information:

3-butoxypropan-2-ol; propylene glycol monobutyl ether
Moderate eye irritation, mild corneal lesions
Brief contact may cause moderate skin irritation with local redness.
-

Dodecane-1-thiol May be fatal if swallowed and enter the respiratory tract.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

SKYRESTORE 406

The product is classified: Aquatic Chronic 2 - H411

Dimethyl succinate - CAS: 106-65-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 50 mg/l - Duration h: 96 - Notes: Experimental

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 560-1000 mg/l - Duration h: 96 - Notes: guppy (Poecilia reticulata)



Endpoint: EC50 - Species: Algae > 560 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata Endpoint: EC50 - Species: Daphnia > 1.000 mg/l - Duration h: 3 Endpoint: NOEC - Species: Fish = 180 mg/l - Duration h: 96 - Notes: guppy Endpoint: NOEC - Species: Daphnia = 560 mg/l - Duration h: 48 - Notes: Selenastrum Endpoint: NOEC - Species: Algae = 560 mg/l - Duration h: 96 c) Bacteria toxicity: Endpoint: EC50 - Species: bacteria > 1.000 mg/l - Duration h: 3 Dodecane-1-thiol - CAS: 112-55-0 a) Aquatic acute toxicity: Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss Endpoint: ErC50 - Species: Aquatic plants = 0.0145 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata ; OECD 201 Endpoint: NOEC - Species: Microorganisms = 8.6 mg/l - Duration h: 3 - Notes: OECD 209, Resp. Inhibition - Activated sludge Endpoint: EC10r - Species: Aquatic plants < 0.0145 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata ; OECD 201 12.2. Persistence and degradability 3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8 Biodegradability: Readily biodegradable Dodecane-1-thiol - CAS: 112-55-0 Biodegradability: Non-readily biodegradable - Test: OECD 301D - Duration: 28 days - %: 0% 12.3. Bioaccumulative potential 3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8 Potentially bioaccumulative. Low bioconcentration potential Dodecane-1-thiol - CAS: 112-55-0 BCF - Test: Method: calculated 234 Log Kow >6.5 at 25°C 12.4. Mobility in soil 3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8 Mobile Dodecane-1-thiol - CAS: 112-55-0 Log Koc - Test: OECD 121 3.6 12.5. Results of PBT and vPvB assessment vPvB Substances: None - PBT Substances: None 12.6. Endocrine disrupting properties No endocrine disruptor substances present in concentration >= 0.1% 12.7. Other adverse effects No harmful effects expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force. Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

14 06 03* Other solvents and solvent mixtures

104005EU - version 4 Page 9 / 14



ECTION 14: Transport information	
14.1. UN number or ID number	
ADR-UN Number:	3082
IATA-UN Number:	3082
IMDG-UN Number:	3082
14.2. UN proper shipping name	
ADR-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
	N.O.S. (Dodecane-1-thiol)
IATA-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
	N.O.S. (Dodecane-1-thiol)
IMDG-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
	N.O.S. (Dodecane-1-thiol)
14.3. Transport hazard class(es)	
ADR-Class:	9
ADR - Hazard identification nur	nber: 90
IATA-Class:	9
IATA-Label:	9
IMDG-Class:	9
14.4. Packing group	
ADR-Packing Group:	
IATA-Packing group:	III
IMDG-Packing group:	III
14.5. Environmental hazards ADR-Enviromental Pollutant:	Yes
	Yes
IMDG-Marine pollutant: Most important toxic componen	
IMDG-EmS:	
14.6. Special precautions for user	F-A , S-F
ADR-Subsidiary hazards:	_
ADR-S.P.:	274 335 375 601
ADR-Transport category (Tunn	
IATA-Passenger Aircraft:	964
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	964
IATA-S.P.:	A97 A158 A197 A215
IATA-ERG:	9L
IMDG-Subsidiary hazards:	•
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	
Q.L.: 5L	
Q.E.: E1	
14.7. Maritime transport in bulk acc	ording to IMO instruments
N.A.	• • • • • •
	104005EU - version 4 Page 10 / 14



SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP) Regulation (EU) n. 2015/1221 (ATP 7 CLP) Regulation (EU) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2017/776 (ATP 10 CLP) Regulation (EU) n. 2018/669 (ATP 11 CLP) Regulation (EU) n. 2018/1480 (ATP 13 CLP) Regulation (EU) n. 2019/521 (ATP 12 CLP) Regulation (EU) n. 2020/217 (ATP 14 CLP) Regulation (EU) n. 2020/1182 (ATP 15 CLP) Regulation (EU) n. 2021/643 (ATP 16 CLP) Regulation (EU) n. 2021/849 (ATP 17 CLP) Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: Restriction 3 Restrictions related to the substances contained: Restriction 75

Listed or in compliance with the following international inventories:

Labelling of detergents (EC Regulations 648/2004 and 907/2006): N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

N.A.

N.A.



Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments. 1999/13/EC (VOC directive) Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1, part 1 Product belongs to category: E2

15.2. Chemical safety assessment No

SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1



Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.



ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of
	Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport
	Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization"
	(ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods
	by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day.
	(ACGIH Standard).
WGK:	German Water Hazard Class.