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Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 07.06.2024

Version number 2.0 (replaces version 1.0)

Revision: 07.06.2024

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

- · Product identifier
- Trade name: Mr. WHITE SURFACER 1000
- · Article number: B-511
- Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- · Application of the substance / the mixture Coating
- Details of the supplier of the safety data sheet
 Manufacturer/Supplier:
 GSI EUROPE Import + Export GmbH
 Louise-Dumont-Str. 31
 40211 DÜSSELDORF
 GERMANY
- · Further information obtainable from: Hobby Department
- Emergency telephone number: During normal opening times: +49/211/1665 98420

2 Hazards identification

Classification of the substance or mixture
 Classification according to Regulation (EC) No 1272/2008

flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

auses serious eye damage.
auses serious eye damage.
auses skin irritation.
lay cause drowsiness or dizziness.



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· Hazard pic	(Contd. of page	1)
GHS02 G	GHS05 GHS07 GHS08	
· Signal wor	d Danger	
	ermining components of labelling:	
butan-1-ol		
4-methylper		
· Hazard sta	Extremely flammable aerosol. Pressurised container: May burst if heated.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H351	Suspected of causing cancer.	
H336	May cause drowsiness or dizziness.	
• Precaution	ary statements	
P101	If medical advice is needed, have product container or label at hand.	
P102	Keep out of reach of children.	
P103	Read carefully and follow all instructions.	
P305+P351	+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact	
P310	lenses, if present and easy to do. Continue rinsing.	
P321	Immediately call a POISON CENTER/doctor. Specific treatment (see on this label).	
P362+P364		
P405	Store locked up.	
P410+P412		
P501	Dispose of contents/container in accordance with local/regional/national/internation regulations.	al
Other haza		
	PBT and vPvB assessment	
• PBT: Not a		
• vPvB: Not a	applicable.	

3 Composition/information on ingredients

Mixtures

• **Description:** Mixture of substances listed below with nonhazardous additions.

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Dangerous compo	nents:	
CAS: 115-10-6 EINECS: 204-065-8	dimethyl ether	>25–≤50%
CAS: 108-10-1 EINECS: 203-550-1	4-methylpentan-2-one Flam. Liq. 2, H225; Carc. 2, H351; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 ATE: LC50/4 h inhalative: 11 mg/l	≥20–≤25%
CAS: 71-36-3 EINECS: 200-751-6	butan-1-ol ♦ Flam. Liq. 3, H226; <> Eye Dam. 1, H318; ♦ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	10%
CAS: 123-42-2 EINECS: 204-626-7	4-hydroxy-4-methylpentan-2-one	10%
CAS: 64-17-5 EINECS: 200-578-6	ethanol 🚸 Flam. Liq. 2, H225	>2.5–≤10%
CAS: 78-93-3 EINECS: 201-159-0	butanone Flam. Liq. 2, H225; () Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	>2.5-<10%
CAS: 107-98-2 EINECS: 203-539-1	1-methoxy-2-propanol	>2.5–≤10%
CAS: 123-86-4	n-butyl acetate	>2.5–≤10%

4 First aid measures

· Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed No further relevant information available.

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5 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up: Use neutralising agent. Dispose contaminated material as waste according to section 13.
- Ensure adequate ventilation.
- Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

- Information about fire and explosion protection: Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Keep respiratory protective device available. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:
- Observe official regulations on storing packagings with pressurised containers.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.

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· Specific end use(s) No further relevant information available.

Cont	rol parameters	
Ingre	dients with limit values that require monitoring at the workplace:	
	0-6 dimethyl ether	
WEL	Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm	
108-1	0-1 4-methylpentan-2-one	
	Short-term value: 416 mg/m³, 100 ppm Long-term value: 208 mg/m³, 50 ppm Sk, BMGV	
71-36	6-3 butan-1-ol	
WEL	Short-term value: 154 mg/m³, 50 ppm Sk	
	2-2 4-hydroxy-4-methylpentan-2-one	
WEL	Short-term value: 362 mg/m³, 75 ppm Long-term value: 241 mg/m³, 50 ppm	
64-17	-5 ethanol	
WEL	Long-term value: 1920 mg/m³, 1000 ppm	
78-93	-3 butanone	
WEL	Short-term value: 899 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm Sk, BMGV	
	8-2 1-methoxy-2-propanol	
WEL	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Sk	
123-8	6-4 n-butyl acetate	
WEL	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm	
Ingre	dients with biological limit values:	
108-1	0-1 4-methylpentan-2-one	
	V 20 µmol/L Medium: urine Sampling time: post shift Parameter: 4-methylpentan-2-one	



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		ntd. of page :
	3 butanone	
BMGV	70 μmol/L	
	Medium: urine	
	Sampling time: post shift	
	Parameter: butan-2-one	
· Additio	onal information: The lists valid during the making were used as basis.	
· Expos	ure controls	
	priate engineering controls No further data; see section 7.	
	dual protection measures, such as personal protective equipment	
	al protective and hygienic measures:	
	away from foodstuffs, beverages and feed.	
	liately remove all soiled and contaminated clothing hands before breaks and at the end of work.	
	protective clothing separately.	
	contact with the skin.	
	contact with the eyes and skin.	
	ratory protection:	
	e of brief exposure or low pollution use respiratory filter device. In case of intensive or le	onger
	are use self-contained respiratory protective device.	
• Hand p	protection	
MJ2	Protective gloves	
Due to	ove material has to be impermeable and resistant to the product/ the substance/ the pr missing tests no recommendation to the glove material can be given for the product/ t ation/ the chemical mixture.	
	on of the glove material on consideration of the penetration times, rates of diffusion an	d the
degrad		
	al of gloves	
	election of the suitable gloves does not only depend on the material, but also on further	marke of
	and varies from manufacturer to manufacturer. As the product is a preparation of seve	
	nces, the resistance of the glove material can not be calculated in advance and has the	
	cked prior to the application.	
	ration time of glove material	
	act break through time has to be found out by the manufacturer of the protective glove	e and has
	bserved.	
	ce protection	
	glasses	
Salety		itd. on page



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Tightly sealed goggles

9 Physical and chemical properties

 Information on basic physical and chemical properties General Information Physical state Colour: Odour: Odour: Solvent-like Odour threshold: Not determined. Melting point/freezing point: Undetermined. Boiling point or initial boiling point and boiling
Physical state Aerosol Colour: White Odour: Solvent-like Odour threshold: Not determined. Melting point/freezing point: Undetermined. Boiling point or initial boiling point and boiling Vertice
· Colour: White · Odour: Solvent-like · Odour threshold: Not determined. · Melting point/freezing point: Undetermined. · Boiling point or initial boiling point and boiling Vertice
• Odour: Solvent-like • Odour threshold: Not determined. • Melting point/freezing point: Undetermined. • Boiling point or initial boiling point and boiling
· Odour threshold: Not determined. · Melting point/freezing point: Undetermined. · Boiling point or initial boiling point and boiling
Melting point/freezing point: Undetermined. Boiling point or initial boiling point and boiling
Boiling point or initial boiling point and boiling
range -23.6 °C
· Flammability Not applicable.
Lower and upper explosion limit
Lower: Not determined.
· Upper: Not determined.
-31.4 °C
• Decomposition temperature: Not determined.
• pH Mixture is non-polar/aprotic.
Viscosity:
Kinematic viscosity Not determined.
• Dynamic: Not determined.
· Solubility
water: Not miscible or difficult to mix.
 Partition coefficient n-octanol/water (log value) Not determined.
Vapour pressure: Not determined.
· Density and/or relative density
• Density at 20 °C: 0.7–0.9 g/cm ³
• Relative density Not determined.
• Bulk density: 700–900 kg/m ³
Vapour density Not determined.
· Other information
· Appearance:
· Form: Aerosol
· Important information on protection of health
and environment, and on safety.
· Ignition temperature: Product is not selfigniting.
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· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Solvent content:	
· Organic solvents:	90.0 %
· VOC (EC)	90.00 %
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard	
classes	
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised
	container: May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit	
flammable gases in contact with water	Void
· Oxidising liquids	Void
Oxidising solids	Void
· Organic peroxides	Void
Corrosive to metals	Void
· Desensitised explosives	Void

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· Hazardous decomposition products: No dangerous decomposition products known.

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		ard classes as defined in Regulation (EC) No 1272/2008 d on available data, the classification criteria are not met.
	•	evant for classification:
TE (Acut	te Toxicity	y Estimates)
)ral	LD50	7,900 mg/kg (rat)
nhalative	LC50/4 h	41.5–83 mg/l (ATE)
15-10-6 c	dimethyl e	ther
nhalative	LC50/4 h	308 mg/l (rat)
08-10-1 4	l-methylp	entan-2-one
Dral	LD50	2,080 mg/kg (rat)
	LD50	16,000 mg/kg (rab)
nhalative	LC50/4 h	11 mg/l (ATE)
		8.3–16.6 mg/l (rat)
1-36-3 bເ		
	LD50	790 mg/kg (rat)
	LD50	3,400 mg/kg (rabbit)
		8,000 mg/l (rat)
		-4-methylpentan-2-one
Dral	LD50	4,000 mg/kg (rat)
ermal	LD50	13,630 mg/kg (rab)
4-17-5 et	hanol	
Dral	LD50	7,060 mg/kg (rat)
nhalative	LC50/4 h	20,000 mg/l (rat)
8-93-3 bi	utanone	
Dral	LD50	3,300 mg/kg (rat)
ermal	LD50	5,000 mg/kg (rabbit)
07-98-2 1	-methoxy	-2-propanol
Dral	LD50	5,660 mg/kg (rat)
Dermal	LD50	13,000 mg/kg (rabbit)
23-86-4 r	n-butyl ac	etate
Dral	LD50	13,100 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)

· Serious eye damage/irritation Causes serious eye damage.

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List II

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- · Carcinogenicity Suspected of causing cancer.
- STOT-single exposure May cause drowsiness or dizziness.
- · Information on other hazards
- · Endocrine disrupting properties
- 78-93-3 butanone

12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- · **Bioaccumulative potential** No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · **vPvB:** Not applicable.
- Endocrine disrupting properties For information on endocrine disrupting properties see section 11.
- · Other adverse effects
- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

· UN number or ID number		
· ADR, IMDG, IATA	UN1950	
· UN proper shipping name		
ADR	1950 AEROSOLS	



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IMDG IATA	AEROSOLS Aerosols, flammable
· Transport hazard class(es)	
ADR	
Class	2 5F Gases.
Label	2.1
· IMDG, IATA	
· Class · Label	2.1 Gases. 2.1
	2.1
· Packing group · ADR, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
Special precautions for user	Warning: Gases.
Hazard identification number (Kemler o	•
EMS Number:	F-D,S-U
· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS:
Segregation Code	Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 7 litre:
	Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre:
	Segregation as for the appropriate subdivision of clase
	For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of class



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Maritime transport in bulk according to instruments	IMO Not applicable.	
Transport/Additional information:		
ADR		
Limited quantities (LQ)	1L	
Excepted quantities (EQ)	Code: E0	
,	Not permitted as Excepted Quantity	
Transport category	2	
Tunnel restriction code	D	
IMDG		
Limited quantities (LQ)	1L	
Excepted quantities (EQ)	Code: E0	
	Not permitted as Excepted Quantity	
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1	

15 Regulatory information

 $^{\cdot}$ Safety, health and environmental regulations/legislation specific for the substance or mixture $^{\cdot}$ Poisons Act

· Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

· Directive 2012/18/EU

• Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P3a FLAMMABLE AEROSOLS

· Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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6 Othor	· information
	formation is based on our present knowledge. However, this shall not constitute a guarantee fo
any spe	ecific product features and shall not establish a legally valid contractual relationship.
	int phrases
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
	66 Repeated exposure may cause skin dryness or cracking.
	ment issuing SDS: Hobby Department
· Contac	xt: -
	viations and acronyms:
ADR: Ac	cord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the
	onal Carriage of Dangerous Goods by Road)
	ternational Maritime Code for Dangerous Goods
	ternational Air Transport Association
	obally Harmonised System of Classification and Labelling of Chemicals : European Inventory of Existing Commercial Chemical Substances
	European List of Notified Chemical Substances
	emical Abstracts Service (division of the American Chemical Society)
	olatile Organic Compounds (USA, EU)
	ethal concentration, 50 percent
	ethal dose, 50 percent
	rsistent, Bioaccumulative and Toxic
	ery Persistent and very Bioaccumulative ute toxicity estimate values
	as 1A: Flammable gases – Category 1A
	1: Aerosols – Category 1
	as (Comp.): Gases under pressure – Compressed gas
Flam. Lic	q. 2: Flammable liquids – Category 2
	q. 3: Flammable liquids – Category 3
	ox. 4: Acute toxicity – Category 4
	2: Skin corrosion/irritation – Category 2
	n. 1: Serious eye damage/eye irritation – Category 1 2: Serious eye damage/eye irritation – Category 2
	Carcinogenicity – Category 2
STOT SE	E 3: Specific target organ toxicity (single exposure) – Category 3
	compared to the previous version altered.
2414	