

Safety Data Sheet acc. to OSHA HCS

Printing date 03/12/2020

Reviewed on 03/12/2020

1 Identification

- **Product identifier**
- **Trade name: intense®**
- **Application of the substance / the mixture**
Dry-cleaning
Solvents
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 1 - 3
65830 Kriftel / Germany
Tel. + 49(0) 6192-9948-0
Fax + 49(0) 6192-9948-99
order@seitz24.com
www.seitz24.com
- **Information department:**
CHEM-TEL Inc.
1305 North Florida Ave
Tampa Florida 33602
- **Emergency telephone number:** 1-800-255-3924 (24-hour Service)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Flam. Liq. 4 H227 Combustible liquid.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
Alkanes, C12-14-iso-
- **Hazard statements**
H227 Combustible liquid.
H304 May be fatal if swallowed and enters airways.
- **Precautionary statements**
P210 Keep away from flames and hot surfaces. No smoking.
P280 Wear protective gloves / eye protection.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P331 Do NOT induce vomiting.
P403+P235 Store in a well-ventilated place. Keep cool.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations. (Contd. of page 1)

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **CAS-No. Components:**

CAS: 68551-19-9	Alkanes, C12-14-iso-	60 – 80%
CAS: 29911-27-1	1-(1-methyl-2-propoxyethoxy)propan-2-ol	10 – 30%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

· **Description of first aid measures**

· **General information** Immediately remove any clothing soiled by the product.

· **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

· **After skin contact**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

· **Information for doctor**

In case of ingestion and subsequent vomiting aspiration by the lungs might result and lead to chemical pneumonia or suffocation.

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

If swallowed or in case of vomiting, danger of entering the lungs

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

Symptomatic treatment

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents** Water with full jet.

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

Formation of toxic gases is possible during heating or in case of fire.

· **Advice for firefighters**

· **Protective equipment:**

Do not inhale explosion gases or combustion gases.

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Wear self-contained respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid contact with eyes and skin.

Ensure adequate ventilation

Do not breathe gases/ vapours.

Keep away from ignition sources

Environmental precautions: Do not allow product to reach sewage system or any water course.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the collected material according to regulations.

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

Handling**Precautions for safe handling**

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with eyes and skin.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Formation of explosive vapour- / air mixture possible.

Conditions for safe storage, including any incompatibilities**Storage****Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Provide solvent resistant, sealed floor.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Protect from frost.

Time of storage: max. 24 month

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- **Specific end use(s)** Dry-cleaning

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Do not eat, drink, smoke or sniff while working.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).
- **Protection of hands:**
Solvent resistant gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

· Form:	Fluid
· Color:	Colorless
· Odor:	Product specific
· Odor threshold:	No further relevant information available.

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· pH-value:	Not applicable.
· Change in condition	
Melting point/Melting range:	not applicable
Boiling point/Boiling range:	180 - 210 °C (356 - 410 °F)
· Flash point:	64 °C (147.2 °F) (ASTM D93 c.c.)
· Flammability (solid, gaseous)	No further relevant information available.
· Ignition temperature:	No further relevant information available.
· Decomposition temperature:	No further relevant information available.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	0.4 Vol % (DIN EN 1839 2012)
Upper:	12.6 Vol % (DIN EN 1839 2012)
· Oxidizing properties	No further relevant information available.
· Vapor pressure at 20 °C (68 °F):	0.6 hPa (0.5 mm Hg)
· Density at 20 °C (68 °F):	~ 0.79 g/cm ³ (ISO 2811)
· Relative density	No further relevant information available.
· Vapor density	No further relevant information available.
· Evaporation rate	No further relevant information available.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix
· Partition coefficient (n-octanol/water):	No further relevant information available.
· Viscosity:	
dynamic:	No further relevant information available.
kinematic:	No further relevant information available.
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
Stable under normal ambient conditions.
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid**
Protect from heat and direct sunlight.
Keep away from ignition sources
- **Incompatible materials:**
Strong oxidizing agents
Acids

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Lyes

· **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity**

· **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimate)

Oral	LD50	> 8,000 mg/kg (rat)
Dermal	LD50	> 8,000 mg/kg (rat)

CAS: 68551-19-9 Alkanes, C12-14-iso-

Oral	LD50	> 5,000 mg/kg (rat) (OECD 401 (similar substance))
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CAS: 29911-27-1 1-(1-methyl-2-propoxyethoxy)propan-2-ol

Oral	LD50	> 2,000 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Additional toxicological information:**

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **Specific target organ toxicity – single exposure**

Based on available data, the classification criteria are not met.

· **Specific target organ toxicity – repeated exposure**

Based on available data, the classification criteria are not met.

· **Aspiration hazard** May be fatal if swallowed and enters airways.

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12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

CAS: 68551-19-9 Alkanes, C12-14-iso-

EL50 > 1,000 mg/l (Aquatic plants, algae) (72 h; Pseudokirchneriella subcapitata; OECD 201)

> 1,000 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)

NOEL 0.316 mg/l (Fish) (28 d; Oncorhynchus mykiss; QSAR)

LL50 > 1,000 mg/l (Fish) (96 h; Oncorhynchus mykiss ; OECD 203)

CAS: 29911-27-1 1-(1-methyl-2-propoxyethoxy)propan-2-ol

EC50 > 1,000 mg/l (Aquatic plants, algae) (96 h; Pseudokirchneriella subcapitata)

> 100 mg/l (Aquatic invertebrates) (48 h; Daphnia magna)

LC50 > 100 mg/l (Fish) (96 h; Oncorhynchus mykiss)

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:** Do not allow product to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Contaminated adsorbent, soil, water must be disposed of in a permitted hazardous waste management facility. Recovered products may be reused, reprocessed or incinerated or must be treated in a permitted hazardous waste management facility. It is your duty to dispose of the chemical materials and/or their containers in accordance with the Clean Air Act, The Clean Water Act, RCRA, as well as applicable Federal, State, and local Regulations regarding disposal.

14 Transport information

- **UN-Number**

- **DOT**

- **ADR, ADN, IMDG, IATA**

NA1993

Void

- **UN proper shipping name**

- **DOT**

- **ADR, ADN, IMDG, IATA**

COMBUSTIBLE LIQUID, N.O.S (Alkanes, C12-14-iso-)

Void

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· **Transport hazard class(es)**

· **DOT**



· **Class**

Void

· **Label**

3

· **ADR, ADN, IMDG, IATA**

· **Class**

Void

· **Packing group**

· **DOT**

III

· **ADR, IMDG, IATA**

Void

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **DOT**

· **Quantity limitations**

On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L

· **UN "Model Regulation":**

Void

15 Regulatory information

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

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<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

<ul style="list-style-type: none"> · Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

<ul style="list-style-type: none"> · New Jersey Right-to-Know List:
None of the ingredients is listed.

<ul style="list-style-type: none"> · New Jersey Special Hazardous Substance List:
None of the ingredients is listed.

<ul style="list-style-type: none"> · Pennsylvania Right-to-Know List:
None of the ingredients is listed.

<ul style="list-style-type: none"> · Pennsylvania Special Hazardous Substance List:
None of the ingredients is listed.

<ul style="list-style-type: none"> · EPA (Environmental Protection Agency)
None of the ingredients is listed.

<ul style="list-style-type: none"> · TLV (Threshold Limit Value established by ACGIH)
None of the ingredients is listed.

<ul style="list-style-type: none"> · NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

- **National regulations**

- **Other regulations, limitations and prohibitive regulations**

- **Please note:**

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyers responsibility to ensure that its activities comply with Federal, State or provincial, and local laws. The following specific information is made for the purpose of complying with numerous laws and regulations.

- **Other information:** The product has been designed for professional use only.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 03/12/2020 / 4.00

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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The fresher company.

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NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Liq. 4: Flammable liquids – Category 4
Asp. Tox. 1: Aspiration hazard – Category 1

· * **Data compared to the previous version altered.**

US