

Dry Fluid 12

date of version: 18.07.2018 V 1.0

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

1.1 Product identifier

Product name: Dry Fluid 12

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

Identified uses:

Uses advised against: No usage which is apart from.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier KHS GmbH Juchostr. 20
44143 Dortmund
www.khs.com
Germany

Telephone: +49 (0)231 / 569-10000

Fax: +49 (0)231 / 569-410300

Contact Person: Service Products

E-Mail: service.products@khs.com

1.4 Emergency telephone number +49 (0)6131 / 19240 (24h-emergency call)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture The product has not been classified as hazardous and does not need to be labelled according to regulation (EU) no 1272/2008 (CLP).

2.2 Label elements not applicable

Hazard statements: none

Precautionary statements:

Supplemental label elements: The product may not be released into the environment without control. By handling of chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

2.3 Other hazards

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SECTION 3: Composition/information on ingredients

3.1 Chemical characterization

General information: The components are not hazardous or are below required disclosure limits.

3.2 hazardous components

chemical definition	Identifier	Concentration *	classification CLP
white oil	REACH: 232-455-8 01-2119487078-27-xxxx	≥ 50 - < 100 %	H304 - May be fatal if swallowed and enters airways.
PTFE powder (Polytetrafluoroethylene)		-	

SECTION 4: First aid measures

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

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Eye contact:	Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.
Skin Contact:	Remove contaminated, saturated clothing immediately. Wash immediately with: Water and soap In case of skin irritation, consult a physician.
Ingestion:	Let water be drunken in little sips (dilution effect). When in doubt or if symptoms are observed, get medical advice.
4.2 Most important symptoms and effects, both acute and delayed	no data available.
4.3 Indication of any immediate medical attention and special treatment needed	Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: ABC-powder. BC-powder. Foam. Dry extinguishing powder. Carbon dioxide (CO₂). Dry sand.

Unsuitable extinguishing media: water in full jet.

Special hazards arising from the substance or mixture Hazardous combustion products: Carbon monoxide (CO). Carbon dioxide (CO₂). Gases/vapours, corrosive. Pyrolysis products, toxic, containing fluorine. Hydrofluoric acid. Burning produces heavy smoke.

Advice for firefighters Use suitable breathing apparatus.

Special fire fighting procedures: Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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SECTION 6: Accidental release measure

6.1 Personal precautions, protective equipment and emergency procedures	In case of spills, beware of slippery floors and surfaces.
6.2 Environmental precautions	Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.
6.3 Methods and material for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.
6.4 Reference to other sections	Section 01 Contact information in case of an emergency Section 07 Handling and storage Section 08 appropriate personal protective equipment Section 13 Disposal considerations

SECTION 7: Handling and storage

7.1 Precautions for safe handling	It is recommended to design all work processes always so that the following is excluded: Generation/formation of mist.
7.2 Conditions for safe storage, including any incompatibilities	Local regulations concerning handling and storage of waterpolluting products have to be followed.
7.3 Specific end use(s)	no data available.
Storage Class:	10, combustible liquids

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

White mineral oil (petroleum) ; CAS No. : 8042-47-5
Limit value type (country of origin) : TRGS 900 (D)
Parameter : A: respirable fraction
Limit value : 5 mg/m³
Peak limitation : 4(II)
Remark : Y
Version : 06.11.2015

8.2 Exposure controls

Wash hands before breaks and after work. Take the precautions customary when handling chemicals. Change contaminated, saturated clothing. Keep away from sources of ignition. - No smoking.

8.2.1 Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

8.2.2 Individual protection measures, such as personal protective equipment

General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection:

safety glasses (EN 166) recommended during refilling.

Hand Protection:

Material: Nitrile butyl rubber (NBR).
Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection.
Protective gloves, where permitted in acc. To safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Respiratory Protection:

No special measures are necessary. Avoid: Inhalation of vapours or spray/mists

Thermal hazards:

no data available.

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Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Environmental Controls: no data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
colour:	whitish
odor:	no data available.
odor threshold:	Not applicable for mixtures
pH:	not applicable
boiling Point:	Not applicable for mixtures
flash point:	>250°C
flash point:	>190°C
evaporation Rate:	Not applicable for mixtures
flammability (solid, gas):	Value not relevant for classification.
flammability limit - Upper (%)—:	Not applicable for mixtures
flammability Limit - Lower (%)—:	Not applicable for mixtures
vapor pressure:	Not applicable for mixtures
vapor density (air=1):	Not applicable for mixtures
density:	0,87 g/cm ³
solubility(ies)	
solubility in Water:	no data available.
solubility (other):	no data available.
partition coefficient (n-octanol/water):	Not applicable for mixtures
autoignition Temperature:	Value not relevant for classification.
autoignition Temperature:	Value not relevant for classification.
decomposition Temperature:	Value not relevant for classification.
kinematic viscosity:	46 mm ² /s (40°C)
explosive properties:	Value not relevant for classification.
oxidizing properties:	Value not relevant for classification.

9.2 other information no data available.

SECTION 10: stability and reactivity

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10.1 reactivity	no data available.
10.2 chemical stability	Stable under normal use conditions.
10.3 possibility of hazardous reactions	no data available.
10.4 conditions to avoid	no data available.
10.5 incompatible materials	Strong oxidizing substances. Strong acids. Strong bases.
10.6 hazardous decomposition products	Carbon monoxide. Carbon dioxide (CO ₂). carbon black. Gases/vapours, harmful. Pyrolysis products, toxic, containing fluorine. Hydrofluoric acid.

SECTION 11: toxicological information

11.1 information on likely routes of exposure

Acute toxicity

Oral product: LD50

specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

Dermal product: Not classified for acute toxicity based on available data.

specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

Inhalation product: Not classified for acute toxicity based on available data.

specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

skin corrosion/irritation: product: Based on available data, the classification criteria are not met.

specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

serious eye damage/eye irritation product: Based on available data, the classification criteria are not met.
product:

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specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

respiratory or skin sensitization:

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

product:

specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

germ cell mutagenicity

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

product:

in vitro

specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

in vivo

specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

carcinogenicity

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

product:

specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

reproductive toxicity

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

product:

specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

specific target organ toxicity - single exposure

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

product:

specific substances

white oil

no data available.

PTFE powder (Polytetrafluoroethylene)

no data available.

specific target organ toxicity - repeated exposure

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

product:

specific substances

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white oil	no data available.
PTFE powder (Polytetrafluoroethylene)	no data available.
aspiration hazard	Based on available data, the classification criteria are not met.
product:	
specific substances	
white oil	no data available.
PTFE powder (Polytetrafluoroethylene)	no data available.
other adverse effects:	no data available.
specific substances	
white oil	no data available.
PTFE powder (Polytetrafluoroethylene)	no data available.

SECTION 12 :Ecological information

12.1 Toxicity

Acute toxicity

fish product:	Based on available data, the classification criteria are not met.
specific substances	
white oil	no data available
PTFE powder (Polytetrafluoroethylene)	no data available
aquatic invertebrates product:	Based on available data, the classification criteria are not met.
specific substances	
white oil	no data available
PTFE powder (Polytetrafluoroethylene)	no data available

chronic toxicity product:

fish product:	Based on available data, the classification criteria are not met.
specific substances	
white oil	no data available.
PTFE powder (Polytetrafluoroethylene)	no data available.
aquatic invertebrates product:	Not readily biodegradable (according to OECD criteria).
specific substances	
white oil	no data available.
PTFE powder (Polytetrafluoroethylene)	no data available.

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

specific substances

PTFE powder (Polytetrafluoroethylene)

white oil

no data available.

no data available.

12.2 Persistence and Degradability

Not applicable for mixtures

product:

specific substances

white oil

PTFE powder (Polytetrafluoroethylene)

no data available.

no data available.

12.3 Bioaccumulative potential

Not applicable for mixtures

product:

specific substances

white oil

PTFE powder (Polytetrafluoroethylene)

no data available.

no data available.

12.4 mobility in soil

Not applicable for mixtures

product:

specific substances

white oil

PTFE powder (Polytetrafluoroethylene)

no data available.

no data available.

12.5 results of PBT and vPvB assessment:

product does not includes indegriends

specific substances

white oil

PTFE powder (Polytetrafluoroethylene)

no data available.

no data available.

12.6 other adverse effects

no data available.

specific substances

white oil

PTFE powder (Polytetrafluoroethylene)

no data available.

no data available.

water hazard class (WGK):

WGK 1: slightly water-endangering.

SECTION 13: disposal considerations

13.1 waste treatment methods

general information:

Dispose in accordance with all applicable regulations.

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disposal methods:

Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

SECTION 14: transport information

ADR/RID

14.1 UN number:

14.2 UN proper

shipping name:

14.3 transport hazard class(es) non-dangerous goods
class

label(s)

hazard no. (ADR):

tunnel restriction code:

14.4 packing group:

14.5 environmental hazards:

14.6 special precautions for user:

ADN

14.1 UN number:

14.2 UN proper

shipping name:

14.3 transport hazard class(es) non-dangerous goods
class

14.4 packing group:

14.5 environmental hazards:

14.6 special precautions for user:

IMDG

14.1 UN number:

14.2 UN proper

shipping name:

14.3 transport hazard class(es) non-dangerous goods
class

14.4 packing group:

14.5 environmental hazards:

14.6 special precautions for user:

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IATA

14.1 UN number:

14.2 UN proper

shipping name:

14.3 transport hazard class(es) non-dangerous goods
class

14.4 packing group:

14.5 environmental hazards:

14.6 special precautions for user:

SECTION 15: regulatory information

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

EU Regulations

Technische Anleitung Luft (TA-Luft) (Germany)

Regulation (EC) No. 2037/2000 none
Substances that deplete the ozone
layer:

Regulation (EC) No. 850/2004 on none
persistent organic pollutants:

national regulations Technische Anleitung Luft (TA-Luft) (Germany)

water hazard class (WGK): WGK 1: slightly water-endangering.

15.2 chemical safety assessment: No Chemical Safety Assessment has been carried out.

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SECTION 16: other information

revision Information: Vertical lines in the margin indicate an amendment.

wording of the H-statements in section 2 and 3 H304 - May be fatal if swallowed and enters airways.

other information: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

revision date: 18.07.2018

disclaimer: The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.