SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

Pressure Fluid 15

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

1.1 Product identifier

Product name: Pressure Fluid 15

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

Identified uses: PC24 - lubricants, greases and release agents

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 been classified as hazardous according to regulation (EU) no 1272/2008 (CLP), and must be labelled.

2.2 Label elements

GHS08 Health hazard

Hazard statements: H304 - May be fatal if swallowed and enters airways.

Precautionary statements: P331 Do NOT induce vomiting.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/…

P405 Store locked up.

P 501 Dispose of contents/container to locally regulations.

Supplemental label elements: EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

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 defination	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.

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.

Eye contact:	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. 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:	Aspiration hazard If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting. Observe risk of aspiration if vomiting occurs. Water, to which activated charcoal
4.2 Most important symptoms and effects, both acute and delayed	Pulmonary oedema. Pneumonia.
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	Gases/vapours, harmful. Carbon monoxide. Carbon dioxide (CO2).
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.

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	Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Ensure waste is collected and contained. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.
6.3 Methods and material for containment and cleaning up	Take up mechanically, placing in appropriate containers for disposal. Soak up inert absorbent and dispose as waste requiring special attention. Suitable material for taking up: Universal binder Kieselguhr.
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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Occupational Exposure Limits

Value not relevant for classification.

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 inhandling the chemicals or the mineral oil products.

Eye/face protection:

safety glasses (EN 166) recommended during refilling.

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Hand Protection:

Hand protection:
Has degreasing effect on the skin. Wear suitable gloves. Rub greasy ointment into the skin.
Suitable material : PE (polyethylene) NR (natural rubber, natural latex) CR (polychloroprene, chloroprene rubber).
NBR (Nitrile rubber). Butyl caoutchouc (butyl rubber).
Recommended glove articles : DIN EN 374 DIN EN 420

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.

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:	colourless
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:	>165°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:	0,85 g/cm3
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:	15 mm2/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

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	Keep away from sources of heat (such as hot surfaces), sparks and open flames
10.5 incompatible materials	Oxidizer, strong.
10.6 hazardous decomposition products	Carbon monoxide. Carbon dioxide (CO2). carbon black. Gases/vapours, harmful. Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11:toxicological information

11.1 information on likely routes of exposure

Acute toxicity

Oral product:	LD50 rabbit > 5000mg/kg
specific substances	
white oil	no data available.
Dermal product:	LD50 rabbit > 5000mg/kg
specific substances	
white oil	no data available.
Inhalation product:	Not classified for acute toxicity based on available data.
specific substances	
white oil	no data available.
skin corrosion/irritation: product:	Based on available data, the classification criteria are not met.
specific substances	
white oil	no data available.
serious eye damage/eye irritation product:	Based on available data, the classification criteria are not met.
product:	

specific substances	
white oil	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.

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

product:

in vitro	
specific substances	
white oil	no data available.
in vivo	
specific substances	
white oil	no data available.

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

product:

specific substances	
white oil	no data available.

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

product:

specific substances	
white oil	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.

specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

product:

specific substances

white oil	no data available.
aspiration hazard	Based on available data, the classification criteria are not met.
product:	
specific substances	
white oil	no data available.
other adverse effects:	no data available.
specific substances	
white oil	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
aquatic invertebrates product:	Based on available data, the classification criteria are not met.
specific substances	
white oil	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.
aquatic invertebrates product:	Not readily biodegradable (according to OECD criteria).
specific substances	
white oil	no data available.

	Based on available data, the classification criteria are not met.
specific substances	
white oil	no data available.
12.2 Persistence and Degradability	Not applicable for mixtures
product:	
specific substances	
white oil	no data available.
12.3 Bioaccumulative potential	Not applicable for mixtures
product:	
specific substances	
white oil	no data available.
12.4 mobility in soil	Not applicable for mixtures
product:	
specific substances	
white oil	no data available.
12.5 results of PBT and vPvB assessment:	product does not includes indegriends
specific substances	
white oil	no data available.
12.6 other adverse effects	no data available.
specific substances	
white oil	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.

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:	

IATA

14.1 UN number:	
14.2 UN proper shipping name:	
14.3 transport hazard class(es) class	non-dangerous goods
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 Substances that deplete the ozone layer:	none
Regulation (EC) No. 850/2004 on persistent organic pollutants:	none
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.

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:	08.08.2018
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.