SAFETY DATA SHEET INFORMATION

RIDGID Product Name:	RIDGID Press Tools Hydraulic Oil
RIDGID Product Catalog No.:	N/A
Vendor Name:	PANOLIN
Vendor Product Name:	PANOLIN P 9632/1
Use in RIDGID Products:	Press Tools Electrical Tools Manual Hydraulic Crimp Tools Knockout Punch Head
Restrictions on Use:	NA

SDS Information – See following sheets for manufacturer SDS

Ridge Tool Contact Information:

North America	Australia	Europe
Ridge Tool Company 400 Clark Street Elyria, Ohio 44035-6001 1-800-519-3456 www.RIDGID.com	Ridge Tool Australia 127 Metrolink Circuit Campbellfield, VIC 3061 1-800-743-443 www.RIDGID.com.au	Ridge Tool Europe NV (RIDGID) Schurhovenveld 4820 3800 Sint-Truiden, Belgium +32 (0) 11 598 640 www.RIDGID.eu

Operating Standard:	6-204
Issue Date:	May 18, 2018
Revision:	G

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Material Safety Data Sheet
according to Regulation (EC) 1907/2006

Product name :	PANOLIN P 9632/1		
Revision :	24.11.2011	**Version (Revision) :**	2.0.0 (1.0.0)
Print date :	02.11.2012		

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

1.1 Product identifier
PANOLIN P 9632/1 (P 9632/1)

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the substance / preparation : Hydraulic oil

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier : Panolin AG
Street/P.O.Box : Bläsimühle
Country code/Postal code/Town/City : 8322 Madetswil
Country : Switzerland
Telephone : +41(0)44 956 65 65
Contact : info@panolin.com

1.4 Emergency telephone number
Swiss toxicological information center (24h)
Phone: +41 44 251 51 51

2. Hazards identification

2.1 Classification of the substance or mixture
Directive 67/548/EEC or 1999/45/EC
unclassified.
Regulation (EC) No 1272/2008 (GHS)
-

2.2 Label elements
Directive 67/548/EEC or 1999/45/EC
Regulatory information
Special designation for certain preparations
101 Safety data sheet available for professional user on request.
Regulation (EC) No 1272/2008 (GHS)
Special rules for supplemental label elements for certain mixtures
EUH210 Safety data sheet available on request.

2.3 Other hazards
The product is not classified according to the calculation method of the General Classification guideline for preparations of the EU in the latest version.

2.4 Additional information
None.

3. Composition/information on ingredients

3.2 Mixtures
Hazardous components
1-decene-homopolymer, hydrogenated ; EC-No. : 500-183-1; CAS-No. : 68037-01-4
Percentage : 60 - 65 %

Classification 1272/2008 (GHS) : Asp.Tox. 1 ; H304

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT / KEROSINE - UNSPECIFIED ; EC-No. : 265-149-8; CAS-No. : 64742-47-8

Percentage : 5 - 10 %
Classification 67/548/EEC : Xn ; R65
Classification 1272/2008 (GHS) : Asp.Tox. 1 ; H304

For the wording of the listed risk phrases refer to section 16.

The product contains < 3% DSMO extract, as measured by IP 346. It is therefore not as carcinogenic (EC 67/548/Anmerkung L):

4. First aid measures

4.1 Description of first aid measures

General
Immediately remove person concerned out of danger area. Contaminated, soaked clothing and shoes change and clean.

After inhalation
Call a doctor, should the air passages be affected.

After skin contact
In general, the product is not irritating to skin. Wash away with soap and water and rinse. If skin irritation persists, consult a physician.

After eye contact
Flush with plenty of water (10 - 15 min.). Consult persistent redness or other symptoms, a doctor.

After ingestion
If symptoms occur consult a doctor

4.2 Most important symptoms and effects, both acute and delayed
None known.

4.3 Indication of any immediate medical attention and special treatment needed
None.

5. Firefighting measures

Suitable extinguishing media Foam, CO2, powder extinguisher, water haze, water spray jet.

5.1 Extinguishing media

Unsuitable extinguishing media
Waterjet.

5.2 Special hazards arising from the substance or mixture
In case of fire toxic gases may be formed.

5.3 Advice for firefighters
In case of fire do not breathe fumes When extinguishing fires, use breathing apparatus with an independent source of air.

5.4 Additional information
Cool endangered containers with water in case of fire. Under extreme heating in closed containers polymerisation, decomposition Pressure formation and bursting of containers possible. Do not allow the quenching water into the sewage system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product. Take the precautions customary when handling chemicals.

6.2 Environmental precautions

Take up with a liquid absorbing material and proceed according to the waste disposal regulations. Do not empty into drains.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

None.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

Prevent formation of oil mist.

Information about protection against explosions and fires

No particular measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers

No specific requirement.

Information about separation of incompatible products

not required

Further information about storage conditions

Do not store outside. Avoid heating over 40°C.

Storage class : 10

7.3 Specific end use(s)

None.

8. Exposure controls/personal protection

8.1 Control parameters

None.

8.2 Exposure controls

Personal protective equipment

General protective and hygiene measures

The usual precautionary measures for the handling of chemicals have to be observed. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuff

Respiratory protection

None, but avoid breathing vapours if possible.

Hand protection

Oil resistant, tested, protective gloves (eg nitrile rubber) must be worn.

Eye protection

Use tightly fitting safety glasses.

Body protection

No particular measures required. In case of splattering, wear oil-resistant protective clothing.

Additional information about engineering measures

No further details, see Section 7.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Image

Form :	Liquid.
Colour :	Light yellowish.
Odour :	Characteristic.

Relevant safety data

Boiling temperature / boiling range :	(1013 hPa)		No data available	
Flash point :		>	180	°C
Vapour pressure :	(50 °C)		No data available	
Density :	(15 °C)		0.876	g/cm^3
Water solubility :	(20 °C)		insoluble	
Viscosity :	(40 °C)		27.5	mm^2/s

9.2 Other information

None.

10. Stability and reactivity

10.1 Reactivity

There are no data available on the product itself.

10.2 Chemical stability

There are no data available on the product itself.

10.3 Possibility of hazardous reactions

There are no data available on the product itself.

10.4 Conditions to avoid

None, if handled according to order.

10.5 Incompatible materials

Reactions with strong oxidizing agents possible. Reactions with strong acids or alkalines possible.

10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

11.1 Information on toxicological effects

There are no data available on the product itself.

11.2 Experience on practice

This product is unlikely to harm health, given normal and proper handling and hygenic precautions.

11.3 Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

12.1 Toxicity
There are no data available on the product itself.

12.2 Persistence and degradability
Possibility to eliminate the product out of sewage : Oil and fat separators.

Biological degradiation / elimination

The product is difficult to biologically degrade.

12.3 Bioaccumulative potential
There are no data available on the product itself.

12.4 Mobility in soil
There are no data available on the product itself.

12.5 Results of PBT and vPvB assessment
There are no data available on the product itself.

12.6 Other adverse effects
There are no data available on the product itself.

12.7 Additional information
Do not empty into waters or drains.

13. Disposal considerations

13.1 Waste treatment methods
Recommendation

In accordance with local official regulations.

Waste key

Waste code (91/689/EEC) : 13 01 11*

Contaminated packaging
Empty containers should be scrapped or reconditioned. Containers, which have not been emptied properly must be treated as special waste.

Recommendation

Disposal, in accordance with local official regulation.

Recommended detergent

Water, possibly with the additin of detergent.

14. Transport information

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.1 UN number
The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.2 UN proper shipping name
The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.3 Transport hazard class(es)
The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.4 Packing group
The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.5 Environmental hazards
The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

14.6 Special precautions for user

None.

15. Regulatory information

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

National regulatory information

Water pollution classification

Class : 2 Classification according to VwVwS

15.2 Chemical safety assessment

There are no data available on the product itself.

16. Other information

The details in this material safety data sheet satisfy national and EC legislation.

Further information

Relevant changes

02.2 GHS - Precautionary statements · 02.2 GHS - Supplemental hazard information · 03. Hazardous components

R-Phrases of components

R-Phrases of components

65	Harmful: may cause lung damage if swallowed.

GHS Hazard statements of components

H304	May be fatal if swallowed and enters airways.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.