GAMM-BUD®

SAFETY DATA SHEET

In accordance with Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product ID

Product Name: PNEUOL pneumatic oil

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

Identified uses: Hydraulic oil
Uses advised against: No uses advised against have been identified.

1.3 Details of the supplier of the safety data sheet

GAMM-BUD SP. Z O.O.
Skarbimierzyce
st. Spring 3
72-002 Down
Tel. +48 607 730 699
Tel. +48 604 474 444
Email: info@bluedragonjet.com

1.4 Emergency telephone number: +48 32 40 12 200 / +48 32 40 12 276 (7.00 - 15.00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product is classified and labeled as hazardous in accordance with Regulation (EC) No 1272/2008 (CLP).
Classification according to Regulation (EC) No. 1272/2008 as amended.

Health hazards
Aspiration hazard
Category 1 H304: May be fatal if swallowed and enters airways.

Threat summary
Physical Hazards: No data available.

Health hazards
Ingestion: If swallowed, the substance may be aspirated into the lungs and cause chemical pneumonitis. Treat according to circumstances.

2.2 Marking Elements

Product Name: PNEUOL pneumatic oil
Date of Issue: 01/27/2015
Update date: 04/22/2016 Version: 3.1

Date of printing:: 04/10/2017
SDS_PL - PL - 000000000600788438 2/12
Contains: Low viscosity base oil
Signal Word: Danger

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

Warning
Response: P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/…
P331: Do NOT induce vomiting.
Disposal: P501: Dispose of contents/container to an appropriate facility
disposal in accordance with applicable laws and regulations and
characteristics of the product at the time of disposal.

2.3 Other hazards:
If all instructions for safe handling (SECTION 7) and personal protective equipment (SECTION 8) are observed when handling the product, no particular risk is likely to occur. Do not allow the product to get in uncontrolled to the environment.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: A mixture of highly refined mineral oils and additives.
Chemical name Identification Concentration * REACH registration number

Comments
Low viscosity base oil EINECS: 265-158-7 50.00 - <100.00% 01-2119487077-29
Low viscosity base oil EINECS: 265-157-1 10.00 - <20.00% 01-2119484627-25
Phenolic antioxidant EINECS: 204-884-0 0.10 - <0.25% 01-2119490822-33
* All concentrations are percentages by weight unless component is a gas. Gas concentrations are given in percent by volume.
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.

Classification
Chemical name Identification Classification
Low viscosity base oil EINECS: 265-158-7 CLP: Asp. tox. 1;H304
Low viscosity base oil EINECS: 265-157-1 CLP: Asp. tox. 1;H304
Phenolic antioxidant EINECS: 204-884-0 CLP: Aquatic Acute 1;H400, Aquatic Chronic 1;H410, Skin
irrit. 2;H315
CLP: Regulation No. 1272/2008.
For the full text of the listed hazard statements, see section 16.

SECTION 4: First aid measures
General remarks: Clothing contaminated with the product should be removed immediately.

4.1 Description of first aid measures

Inhalation: Supply fresh air, consult doctor in case of complaints
doctor.

Eye contact: Immediately flush eyes with plenty of water, lifting the eyelids.
Skin Contact: Wash with soap and water. In general, the product is not irritating to the skin.
Ingestion: Call a physician or poison control center immediately. Rinse your mouth. Do not give fluids to an unconscious person. If you vomit, keep your head low to prevent stomach contents from entering your lungs. DO NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed:
If swallowed, the substance may be aspirated into the lungs and cause chemical pneumonitis. Treat according to circumstances.

4.3 Indication of any immediate medical attention and special treatment needed.

If symptoms occur, get medical attention.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media: CO2, extinguishing powder or water jet. Fight a bigger fire
a surfactant containing a stream of water spray or foam

Unsuitable extinguishing media: Water with a full stream

5.2 Special hazards arising from the substance or mixture:

Gases that are hazardous to health may be released as a result of fire.

5.3 Information for the fire brigade

Specific extinguishing procedures:
Remove the container from the fire area if there is no risk to do so. Fire residues and contaminated water must be disposed of in accordance with regulations. Contaminated water must be collected separately and must not enter the sewage system.

Special protective equipment for firefighters:
In fire conditions, use self-contained breathing apparatus
air circulation and protective clothing covering the whole body.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

If material is spilled, remember that floors and surfaces will be slippery.

6.2 Environmental Precautions

Prevent it from spreading over large areas (e.g. by using bunds or oil barriers). Avoid release to the environment. The environmental inspector must be informed of all major releases. Prevent further leakage or
spillage if safe to do so. Do not allow to enter drains/surface waters/groundwater.

6.3 Methods and materials for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust). Dispose of collected material in accordance with regulations. Stop flow of material if you can do so without risk.

6.4 References to other sections:

For information on personal protective equipment see SECTION 8.
For information on safe handling of the product see SECTION 7.
For waste disposal information see SECTION 13.

SECTION 7: Handling and storage of substances and mixtures:

7.1 Precautions for safe handling:

Avoid spraying. Do not eat, drink or smoke while using the product. Use standard precautions when handling chemicals. Comply with basic health and safety rules. Provide adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities:

Store locked up. Follow local regulations for handling and storage of water polluting products. Do not heat the product close to flash point.

7.3 Specific end use(s):

not applicable

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limit Values
Chemical name type Limit Values
doses
Source
Low viscosity base oil - Dust fraction
total.

TWA 5 mg/m3 Poland. Regulation of the Minister of Labor and Social Policy of June 6, 2014 on the maximum permissible concentrations and intensities of factors harmful to health in
work environment (Journal of Laws of 2014, item 817) (June 2014)

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. The intensity of ventilation should be adapted to the conditions. If possible, the process should be encapsulated, local exhaust hoods or other technical measures should be used to keep the level of pollutants in the air below the permissible level. If exposure limits have not been established, keep airborne contaminants at an acceptable level. Individual protection measures such as personal protective equipment

General information: Wash hands before breaks and at the end of work. Use the required personal protective equipment. Personal protective equipment should be selected in accordance with the relevant regulations on their approval and in cooperation with their supplier. Observe the usual precautions for handling chemicals.

Eye/face protection: Safety glasses recommended during filling (EN 166).
Skin protection agents

Hand Protection Equipment:
Material: Nitrile butyl rubber (NBR).
Avoid prolonged or repeated skin contact. The supplier's recommendations should be followed when selecting suitable gloves.
Preventive skin protection with skin protection cream.
Protective gloves when permitted by security systems. The exact breakthrough time must be obtained from the glove manufacturer and observed.
Other: Do not carry rags soaked with the product in trouser pockets. Wear appropriate protective clothing.

Respiratory protection:
Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapours/aerosol.
Thermal hazards: None known.
Hygienic precautions:
Always observe good personal hygiene, such as washing after handling the material and before eating, drinking and/or smoking. Work clothes should be washed regularly to remove contamination. Remove contaminated footwear that cannot be cleaned.

Environmental supervision:
No data.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical form
Physical state: liquid
Form: liquid
Colour: Yellow
Smell: Characteristic
Odor threshold: Not applicable for mixtures
pH: not applicable
Pour point: Not applicable for mixtures
Boiling point: No data available.

Flash point: > 140 °C (EN ISO 2592)
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: 0.86 g/cm3 (15 °C) (PN EN ISO 12185)

Solubility
Solubility in water: Insoluble in water
Solubility (in others
solvents):
No data.
Partition coefficient (n-octanol/water): Not applicable for mixtures
Auto-ignition temperature: Value not relevant for classification
Decomposition temperature: Value not relevant for classification
Viscosity, kinematic: 10 mm2/s (40 °C, EN ISO 3104)
Explosive properties: Value not relevant for classification
Oxidizing properties: The value is not relevant for classification

9.2 OTHER INFORMATION No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under normal conditions of use.

10.2 Chemical Stability: Stable under normal conditions of use.

10.3 Possibility of Hazardous Reactions:
Stable under normal conditions of use.

10.4 Conditions To Avoid:
Stable under normal conditions of use.

10.5 Incompatible materials: Strong oxidizing agents. Strong acids. Strong rules.

10.6 Hazardous Decomposition Products:

Carbon oxides may be released as a result of thermal decomposition or combustion and other toxic gases and vapours.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Ingestion

Product:

Not classified for acute toxicity based on available data.
Listed substance(s).
Low viscosity base oil
LD 50 (Rat): > 5.000 mg/kg
Low base oil
viscosity
LD 50 (Rat): > 5.000 mg/kg (OECD 423)
Skin contact

Product:
Not classified for acute toxicity based on available data.
Listed substance(s).
Low base oil
viscosity
LD 50 (Rabbit): > 5.000 mg/kg
Low base oil
viscosity
LD 50 (Rabbit): > 5,000 mg/kg (OECD 402)
Inhale

Product:
Not classified for acute toxicity based on available data.
Listed substance(s).
Low base oil
viscosity
LC 50 (Rat, 4 h): > 5 mg/l
Skin corrosion/irritation:
Product: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation:
Product: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:

Product:
Skin sensitisation: Based on available data, criteria
classification are not met.
Respiratory sensitization: Based on available data,
the classification criteria are not met.
Germ cell mutagenicity

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

Product:
Based on available data, the classification criteria are not met.
Reproductive toxicity

Product:
Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure

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

Product:
Based on available data, the classification criteria are not met.
Aspiration hazard

Product:
May be fatal if swallowed and enters airways.

Other Adverse Effects
Actions:
No data.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Product: Based on available data, the classification criteria are not met.
Fish
Listed substance(s).
Low viscosity base oil
LC 50 (Fish, 96 h): > 101 mg/l (OECD 203)
Aquatic Invertebrates
Listed substance(s).
Low base oil
viscosity
EC50 (Daphnia, 48 h): > 10,000 mg/l (OECD 202)
Chronic toxicity

Product:
Based on available data, the classification criteria are not met.
Toxicity to aquatic plants
Listed substance(s).
Low viscosity base oil
EC50 (Algae, 72 h): > 101 mg/l

12.2 Persistence and Degradability

Biodegradation
Product: Not applicable for mixtures

12.3 Bioaccumulative potential

Product: Not applicable for mixtures

12.4 Mobility in Soil:
Product: Not applicable for mixtures

12.5 Results of PBT and vPvB assessment:

The product does not contain materials that meet the PBT/vPvB criteria.

12.6 Other Adverse Effects

Actions:
No data.

SECTION 13: Disposal considerations

13.1 Waste disposal methods

General information: Dispose of waste and residues in accordance with the requirements of the authorities
local.
Disposal method: Discharge, treatment or disposal may be subject to national regulations
or local.
European waste code
Product used: 13 01 10*: Compound-free mineral hydraulic oils
organohalogens
Contaminated
Packaging:
15 01 10*: packaging containing residues or contaminated by dangerous substances

SECTION 14: ADR/RID transport information

14.1 UN number (UN number): –

14.2 Proper Shipping Name

UN:
–
14.3 Transport Hazard Class(es).
Class: Non-dangerous goods
Label(s): –
Hazard No. (ADR): –
Passage Restriction Code
tunnels:
–
14.4 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions
for users:
–
ADN
14.1 UN number (UN number): –

14.2 Proper Shipping Name
UN:
–
14.3 Transport Hazard Class(es).
Class: Non-dangerous goods
Label(s): –
14.3 Packing group: –
14.5 Environmental hazards: –
14.6 Special precautions for users:
–
IMDG
14.1 UN number (UN number): –
14.2 Proper Shipping Name
UN:
–
14.3 Transport Hazard Class(es).
Class: Non-dangerous goods
Label(s): –
EmS No.: –
14.3 Packing group: –
14.5 Environmental hazards: –
14.6 Special precautions for users:
–
IATA
14.1 UN number (UN number): –
14.2 Proper Shipping Name: –
14.3 Transport Hazard Class(es):
Class: Non-dangerous goods
Label(s): –
14.4 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions for users:
–
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
EU regulations
Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer: none
Regulation (EC) No. 850/2004 on persistent organic pollutants: none

National regulations
Act on chemical substances and their mixtures of
25 February 2011 (Journal of Laws 2015, item 1203)
Regulation of the Minister of Labor and Social Policy of
September 26, 1997 on general safety regulations
and occupational health (Journal of Laws of 2003, No. 169, item 1650, as amended)

Regulation of the Minister of Health of 30 December 2004
on health and safety at work
with the presence of chemical agents in the workplace
(Journal of Laws 2005 No. 11 item 86 as amended)
Regulation of the Minister of Health of February 2, 2011
on testing and measurement of factors harmful to health
in the working environment (Journal of Laws of 2011, No. 33, item 166)
Regulation of the Minister of Labor and Social Policy of
June 6, 2014 on maximum allowable concentrations
and intensity of factors harmful to health in the working environment (Journal of Laws 2014
pos. 817)
Act of 14 December 2012 on waste (Journal of Laws of 2013, item 21, as amended)
Act of 13 June 2013 on packaging management
and packaging waste (Journal of Laws of 2013, item 888, as amended)
Act of 19 August 2011 on the transport of dangerous goods
(Journal of Laws 2011 No. 227, item 1367, as amended)

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out.

SECTION 16: Other information

Update Note: Changes have been marked with two dashes on the side.
Wording of the H-statements in section 2 and 3
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H400 Very toxic to aquatic organisms.
H410 Very toxic to aquatic life causing
long-term effects.

OTHER INFORMATION: The classification corresponds to the current lists of the European Community.
Supplemented, however, with data from professional literature and company data.
The classification was based on the conventional method referred to in
Regulation EC 1272/2008 (CLP).
Update date: 04/22/2016

Limitation of Liability:
The information contained in the safety data sheet corresponds to the best of our knowledge and experience and is used only to describe the product during its handling, transport and disposal in a technically safe manner. The data in no way constitutes a (technical) description of the properties of the goods (product specification). The guarantee of specific properties or the intended use of the product for specific technical applications cannot result from the data contained in the safety data sheet. Making changes to this document is not allowed. Data should not be transferred to other products. As soon as the product is combined, mixed or processed with other materials, the data contained in this safety data sheet cannot be transferred to the new material produced. It is the responsibility of the recipient of our product to ensure compliance with applicable federal, state and local laws when handling the product. If you need up-to-date safety data sheets, please contact us. This safety data sheet has been prepared electronically and is not signed.