

Synthetic oil

For Positive Displacement Blowers & Centrifugal Blowers



More than oil, peace of mind...



The choice of Lubricant is key to ensuring positive displacement and centrifugal blowers operating efficiency...

High performance Lubricants warrant an extended bearings life span ...

A lubricant that meets your equipment specifications can also prevent premature failure ..

Hibon® has therefore selected a high performance synthetic oil to offer the highest protection under extreme operating conditions.



Physical and Chemical properties

Density	0.89
Pour Point ; °C	-45
Flash point, °C	248
Viscosity for 40°C, cSt	221.8
Viscosity for 100°C, cST	24.5
Viscosity Index	138

Hazards identification

The product is not classified as dangerous according to directive 1999/45/EC and its amendments.

Pack sizes

2 l Hibon® Lube	LUB1000002	46421343
5 l Hibon® Lube	LUB1000005	46421350

Advantages– Benefits

- Very high viscosity index.
- Low pour point.
- Excellent anti-wear and extreme pressure properties.
- Very good resistance to oxidation
- High resistance to hydrolysis
- Good anti-rust properties.
- Perfect compatibility with seals.
- Miscible with mineral-based gear oils

Highlights

- Fully synthetic, high performance lubricant
- Excellent thermal stability
- High corrosion protection
- Remarkable flow behaviour at low temperatures
- Very good viscosity index
- Friction & wear reduction
- All season lubricant
- Low volatility
- Incomparable cleanliness
- Very unsusceptible to aging

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Version 1.1

Revision Date 31.10.2014

Print Date 06.11.2014

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

1.1 Product identifier

Trade name : HIBON LUBE - ANDEROL 52 20 XEP

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

Use of the Substance/Mixture : Lubricant, Additive

Recommended restrictions on use : Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company:

Manufacturer

Anderol Specialty Lubricants, a division of Chemtura Corporation
Groot Egtenrayseweg 23
5928 PA Venlo
Netherlands

Telephone : +31-77 396 0340

Supplier

Chemtura Manufacturing UK Limited
Tenax Road, Trafford Park
Manchester
United Kingdom
M17 1WT

Supplier

Ingersoll Rand Air solutions Hibon
2 avenue Jean Paul Sartre
59290 Wasquehal
France

Customer Service:

+44 161 875 3800

Prepared by

msdsrequest@chemtura.com

Further information for the safety data sheet :
msdsrequest@chemtura.com

1.4 Emergency telephone number

Emergency telephone number:

+44 (0) 1235 239 670 (NCEC)

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

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2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Additional Labelling:

EUH210 Safety data sheet available on request.

EUH208 Contains: Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide May produce an allergic reaction.

2.3 Other hazards

No information available.

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.

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- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : None known.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : For specialist advice physicians should contact the Poisons Information Service.

5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Burning produces noxious and toxic fumes.

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Standard procedure for chemical fires.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Wear suitable protective equipment.

6.2 Environmental precautions

- Environmental precautions : No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

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Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
No special handling advice required.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Raw material for industry

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

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Hygiene measures : General industrial hygiene practice.

Environmental exposure controls

General advice : No special environmental precautions required.

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance : liquid

Colour : yellow

Odour : No information available.

Odour Threshold : No information available.

Flash point : 248 °C

Method: ASTM D92

Ignition temperature : No information available.

Lower explosion limit : No information available.

Upper explosion limit : No information available.

Flammability (solid, gas) : No information available.

Auto-ignition temperature : No information available.

pH : No information available.

pour point : -45 °C

Vapour pressure : No information available.

Density : 0.899 g/cm³

Relative density : No information available.

Water solubility : No information available.

Partition coefficient: n-octanol/water : No information available.

Solubility in other solvents : No information available.

Viscosity, kinematic : 221.8 mm²/s

at 40 °C

Method: ASTM D 445

24.5 mm²/s

at 100 °C

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Method: ASTM D 445

Relative vapour density : No information available.
Evaporation rate : No information available.

9.2 Other information

Oxidising potential : Note: No information available.

10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Note: No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : No data available
Contamination

10.5 Incompatible materials

Materials to avoid : Acids
Bases
Oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon oxides
Nitrogen oxides (NOx)

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : Remarks: Not classified due to lack of data.

Acute inhalation toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity : Remarks: Not classified due to lack of data.

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Skin corrosion/irritation

Skin irritation : Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation

Eye irritation : Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

Sensitisation : Remarks: No data available
: Remarks: Not classified due to lack of data.

Mutagenicity Assessment

Remarks : Not classified due to lack of data.

Carcinogenicity Assessment

Remarks : Not classified due to lack of data.

Reproductive toxicity Assessment

Remarks : Not classified due to lack of data.

Target Organ Systemic Toxicant - Single exposure

: Remarks: Not classified due to lack of data.

Target Organ Systemic Toxicant - Repeated exposure

: Remarks: Not classified due to lack of data.

Aspiration hazard

Aspiration toxicity : No aspiration toxicity classification

Toxicology Assessment

Further information : No data available

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12. Ecological information

12.1 Toxicity

Toxicity to fish :
Remarks:
No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks:
No data available

12.2 Persistence and degradability

Biodegradability : Result: No data available

12.3 Bioaccumulative potential

Bioaccumulation : Remarks:
No data available

12.4 Mobility in soil

Mobility : Remarks:
No data available

12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

Additional ecological information : There is no data available for this product.

13. Disposal considerations

13.1 Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.

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Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

RID

Not dangerous goods

Special precautions for user :

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Directive 96/82/EC does not apply

Water contaminating class (Germany) : WGK 1 slightly water endangering

Notification status

US.TSCA : Not On TSCA Inventory
DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.

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AICS	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
ENCS	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory

15.2 Chemical Safety Assessment

No information available.

16. Other information

Further information

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.