

SAFETY DATA SHEET

YBS-NBU15

CN Revision Date: 11/06/2023 Date of last issue: 05/03/2023 Print Date: 11/22/2023
Date of first issue: 05/03/2023

Synthetic hydrocarbon oil
ester oil
barium complex soap

Components

Chemical name	CAS-No.	Concentration (% w/w)
Barium compound	Proprietary	Trade secret (≥ 30 - < 60)
White mineral oil (petroleum)	8042-47-5	Trade secret (≥ 30 - < 60)
Polyalphaolefin	Proprietary	Trade secret (≥ 10 - < 30)

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
Keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.
Wash off with soap and water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
If eye irritation persists, consult a specialist.
- If swallowed : Move the victim to fresh air.
Do not induce vomiting without medical advice.
- Most important symptoms and effects, both acute and delayed : No information available.
None known.
- Notes to physician : No information available.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : Carbon oxides
Nitrogen oxides (NOx)
Metal oxides

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Odour Threshold	No data available
pH	Not applicable
Melting point/range	No data available
Boiling point/boiling range	No data available
Flash point	Not applicable
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability (liquids)	Sustains combustion
Self-ignition	No data available
Upper explosion limit/ Upper flammability limit	No data available
Lower explosion limit/ Lower flammability limit	No data available
Vapour pressure	< 0.001 hPa(68 °F/ 20 °C)
Relative vapour density	No data available
Relative density	0.99(68 °F/ 20 °C) Reference substance: Water The value is calculated
Bulk density	Not applicable
Water solubility	Water solubility
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available

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Components:

Barium compound:

Species : Rabbit
Assessment : No skin irritation
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

White mineral oil (petroleum):

Species : Rabbit
Assessment : No skin irritation
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

Polyalphaolefin:

Species : Rabbit
Assessment : No skin irritation
Method : OECD Test Guideline 404
Result : No skin irritation
GLP : yes

Serious eye damage/eye irritation

Product:

Remarks : This information is not available.

Components:

Barium compound:

Species : Rabbit
Result : No eye irritation
Assessment : No eye irritation
Method : OECD Test Guideline 405
GLP : yes

White mineral oil (petroleum):

Species : Rabbit
Result : No eye irritation
Assessment : No eye irritation
Method : OECD Test Guideline 405
GLP : yes

Polyalphaolefin:

Species : Rabbit
Result : No eye irritation
Assessment : No eye irritation
Method : OECD Test Guideline 405

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Components:

White mineral oil (petroleum):

Reproductive toxicity - Assessment : - Fertility -
No toxicity to reproduction
- Teratogenicity -
No effects on or via lactation

Polyalphaolefin:

Reproductive toxicity - Assessment : - Fertility -
No toxicity to reproduction
- Teratogenicity -
Did not show teratogenic effects in animal experiments.

STOT - single exposure

Components:

White mineral oil (petroleum):

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Components:

White mineral oil (petroleum):

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Product:

Remarks : This information is not available.

Components:

Barium compound:

NOAEL : 150 mg/kg

White mineral oil (petroleum):

NOAEL : 1,800 mg/kg
Exposure time : 90 d

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UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Barium compound	Proprietary	>= 30 - < 50 %
barium bis(dinonylnaphthalenesulphonate)	25619-56-1	>= 0.1 - < 1 %

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

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Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know

White mineral oil (petroleum)	8042-47-5
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Pennsylvania Right To Know

Barium compound	Proprietary
White mineral oil (petroleum)	8042-47-5
Polyalphaolefin	Proprietary
bis(2-ethylhexyl) sebacate	122-62-3
barium bis(dinonylnaphthalenesulphonate)	25619-56-1

Maine Chemicals of High Concern

White mineral oil (petroleum)	8042-47-5
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Vermont Chemicals of High Concern

White mineral oil (petroleum)	8042-47-5
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Washington Chemicals of High Concern

White mineral oil (petroleum)	8042-47-5
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New York City Hazardous Substances

Barium compound	Proprietary
barium bis(dinonylnaphthalenesulphonate)	25619-56-1
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8
lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1
Distillates (petroleum), solvent-refined heavy naphthenic	64741-96-4
Distillates (petroleum), solvent-refined light naphthenic	64741-97-5

California Permissible Exposure Limits for Chemical Contaminants

White mineral oil (petroleum)	8042-47-5
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TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at anytime during a workday
OSHA P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average

This information is not a product manual, but is intended to provide a representative and valuable concept. There are no warranties, representations or implications here. Recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review the recommendations for the intended use of this product and determine whether it is appropriate before use.

(R) means registered trade