KOBRA Shredders
OIL SAFETY DATASHEET

Distributed by KOBRA - Elcoman srl Rev.09/01/2024

Article code 51.086

Article code 51.091

SECTION 1 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Name:

White Mineral Oil – Pharma Grade

Code:

Olio base Kobra 70

CAS: 8042-47-5

EINECS: 232-455-8

REACH registration number: 01-2119487078-27-0015

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

Main uses: Cosmetics, Personal Care, Polymers, Oenology, Lubricants. For the complete list of uses identified for "White Mineral Oil" in the "Highly Refined Oil Base" category, see Annex 1 to this SDS. All other uses are forbidden.

1.3 Details of the supplier of the safety data sheet

Nodus X s.a.s. di Donata Cuocci & C.
Via Genala, 48
26015 Soresina (Cr) Italy
Tel. +39- 320 8420128 – e-mail: info@nodusx.com

1.4 Emergency telephone number

For urgent information contact ***Centro Antiveleni*** (24/24 h):

Pavia 0382/24444;
Milano 02/66101029;
Bergamo 800/883300;
Firenze 055/7947819;
Roma Gemelli 06/3054343;
Roma Umberto I 06/49978000;
Roma Bambin Gesù 06/68593726;
Napoli 081/7472870;
Foggia 0881/732326;
Verona 800/011858

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product is not classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments). The product therefore requires a safety data sheet in compliance with the provisions of Regulation (EC) 1907/2006 and subsequent amendments. Any additional information regarding risks to health and / or the environment are given in sect. 11 and 12 of this sheet.

Not classified as hazardous.

2.2 Label elements.

Not applicable.

2.3. Other hazards

Highly Refined Base Oils (Viscosity > 20.5 mm2/s at 40 °C)
Physical state: Liquid
This mixture does not contain components considered to be either persistent, Bioaccumulative and toxic (PBT), or very persistent and very Bioaccumulative (vPvB) in concentrations of 0.1% or greater. The mixture does not contain a substance(s) included in the list established in accordance with Article 59(1) of REACH as having endocrine disrupting properties or is not identified as having endocrine disrupting properties according to the criteria established by Commission Delegated Regulation (EU) 2017/2100 or by Commission Regulation (EU) 2018/605.
The product is combustible but is not classified as flammable.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

White Mineral Oil – Pharma grade. Structural formula: not applicable, the substance is a UVCB and therefore cannot be represented by a uniquely defined chemical formula.

Identification	Conc. %	Classification 1272/2008 (CLP)
White Mineral Oil (Petroleum)		
CAS. 8042-47-5 CE. 232-455-8 REACH registration number 01-2119487078-27-0015	100	Not classified

Full text of H and EUH – phrases are available in section 16.

SECTION 4 FIRST AID MEASURES

4.1. Description of first aid measures

EYES: The product is not hazardous. In case of eye contact rinse immediately with running water for at least 5 minutes.
SKIN: Wash contaminated skin with soap and water.
INHALATION: The product is not hazardous. If exposure to high concentration oil mists occurs, move the patient to fresh air. If liquid is inhaled, seek medical advice.
INGESTION: Do not induce vomiting. Call a doctor.

4.2. Most important symptoms and effects, both acute and delayed

For symptoms and effects due to the substances contained, see chap. 11.

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

Seek immediate medical attention and special treatments. Depending on the level of exposure, periodic medical check-up is recommended.

SECTION 5 FIREFIGHTING MEASURES

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA

Carbon dioxide, foams, powders.

UNSUITABLE EXTINGUISHING MEDIA

Water jets directly on the flames. Water can be used to cool closed containers exposed to the flame, preventing bursts and explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF A FIRE

In the event of combustion, hazardous fumes of carbon monoxide, carbon dioxide, fumes of unburnt hydrocarbons and other piroscission products may be generated from the mixture or from the mixture.

5.3. Advice for firefighters

GENERAL INFORMATIONS

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous for health. Always wear equipment complete with fire protection. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

EQUIPMENT

Normal firefighting clothing, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and boots for the Fire Brigade (HO A29 or A30).

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Leave the accident site if you do not have devices protected by respiratory and eye protection (see section 8).

For emergency responders

Stop the leak if there is no danger. Limit the accident area. Wear protective equipment Avoid breathing vapours, mists and gases.

6.2. Environmental precautions

Prevent the product from entering drains, surface waters, groundwater. Notify the competent authorities in case of spills / leaks.

6.3. Methods and material for containment and cleaning up

Dike the spill area and absorb the inert materials (e.g.: sand); remove using suitable equipment and dispose of in containers for recovery or disposal. Remove the residue with jets of water if there are no contraindications. Provide sufficient ventilation of the place affected by the leak. Check for any incompatibilities for container material in section 7. Disposal of contaminated material should be organized in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid the formation of oily mists and prevent the release of the product into the environment. Do not inhale any vapours or mists. Avoid dispersal of the product in the environment. Work in adequately ventilated areas. Avoid flames and sparks. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering areas where you eat.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities. Keep only in the original container. Keep containers closed, in a well-ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, checking section 10. Do not store in open and unlabelled containers. Do not store near sources of heat, sparks, flames or strong oxidants.

7.3. Specific end use(s)

See annex 1 of the safety data sheets.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Reference:

OEL EU:	Directive 2009/161/UE; Directive 2006/15/CE; Directive 2004/37/CE; Directive 2000/39/CE; Directive 2017/164/UE; Directive 2017/2398/UE
TLV-ACGIH:	ACGIH 2019

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White mineral oil (petroleum)						
Threshold limit value.						
Type	State	TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm	Note*
TLV-ACGIH	US	10		-		Oily Mists
TLV-ACGIH	US	5		-		Oily Mists
DNEL Workers	UE	164				Long term exposure - Inhalation
DNEL Workers	UE	217 mg/kg/day				Long term exposure - Dermal
DNEL General Population	UE	37				Long term exposure - Inhalation
DNEL General Population	UE	93 mg/kg/day				Long term exposure - Dermal
DNEL General Population	UE	25 mg/kg/day				Long term exposure - Oral

8.2. Exposure controls

Considering that the use of adequate technical measures should always have priority over personal protective equipment, make sure that you have good ventilation in the workplace through effective local extraction. Activities involving the use of chemicals must be assessed for health risks to ensure adequate exposure control. The use of personal protective equipment should only be considered after appropriately assessing the other control measures (e.g. engineering controls). The personal protective equipment must comply with the appropriate standards, suitable for the specific use, maintained in good condition and subjected to correct maintenance. For the choice of personal protective equipment, if necessary ask for advice from your chemical suppliers and check that the individual protection devices must bear the CE marking which certifies their compliance with the standards in force. Absolute ban on consuming or taking food or drinks in the workplace.

HAND PROTECTION

The substances contained in the article are not dangerous for skin contact, however in case of prolonged contact it is advisable to protect the hands with work gloves made of nitrile, PVC or PVA resistant to penetration (ref. Standard EN 374). Gloves with a minimum breakthrough time of 240 minutes or> 480 minutes if suitable gloves can be found. Wash your hands after using the product or when finished.

EYE PROTECTION

In the event of dust formation during the use of the product, it is recommended to wear airtight protective goggles (ref. Standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is advisable to wear a mask with filter for organic vapours of type A whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. Standard Half face filtering mask: EN 149, Half face filtering mask with valve: EN 405, Half face mask: EN 140 plus filter, Full mask: EN 136 plus filter, Particulate filters: EN 143, Gas / combined filters: EN 14387)

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) Physical state	Liquid
b) Colour	Colourless
c) Odour	Odourless
d) Pour point	-12°C
e) Initial boiling point	>370°C
f) Flammability (solid, gas)	Not available
g) Lower flammability limits	Not available
h) Upper flammability limits	Not available
i) Flash point	>220°C
j) Auto-ignition temperature	>335°C
k) Decomposition temperature	Not available
l) pH	Not available
m) Viscosity at 40°C	65.0 to 74.0 mm/s^2
n) Viscosity at 100°C	9.0 mm/s^2 typical
o) Solubility	Negligible
p) Partition coefficient: n-octanol/water	Not available
q) Vapour pressure	<0.01 hPa
r) Relative density	874 Kg/m^3 Max at 15 °C
s) Vapour density	>2
t) Explosive properties	Not available
u) Oxidising properties	Not available

9.2. Other information

Complete miscibility, in hydrocarbons and in most organic solvents. The product is combustible but is not classified as flammable.

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity
Non-reactive.

10.2. Chemical stability
The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions
None

10.4. Conditions to avoid
Avoid exposing the product, especially if in closed containers, sources of intense heat. Avoid overheating, open flames and sparks.

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
None.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

The health hazards of the product have been assessed for the substances contained, according to the criteria established by the reference legislation for classification. Therefore consider the concentration of the single dangerous substances eventually mentioned in sect. 3, to evaluate the toxicological effects deriving from exposure to the product.

a) Acute toxicity;
The product is not classified for this hazard class.

- LD50 (oral): > 5000 mg / Kg bw (non-toxic)
- LD50 (dermal): > 2000 mg / Kg bw (non-toxic)

- LD50 (inhalation): > 5000 mg / m^3 air (non-toxic)

b) Skin corrosion / irritation;
The product is not classified for this hazard class.

c) Serious eye damage / serious eye irritation;
The product is not classified for this hazard class.

d) Respiratory or skin sensitization;
The product is not classified for this hazard class.

e) Germ cell mutagenicity;
The product is not classified for this hazard class.

f) Carcinogenicity;
The product is not classified as carcinogenic for oral, dermal or inhalation exposure. (OECD 453)

g) Reproductive toxicity;
The product is not classified as toxic for reproduction. (OECD 421)

- Test: NOAEL - Route: Oral - 1000 mg/Kg bw/day
- Test: NOAEL - Route: Skin - 2000 mg/Kg bw/day

h) Specific target organ toxicity (STOT) – single exposure;
The product is not classified for this hazard class.

i) Specific target organ toxicity (STOT) – repeated exposure;
The product is not classified for this hazard class.

j) Aspiration hazard;
The product is not classified for this hazard class. Viscosity, kinematic: > 20.5 mm^2/s (40°C) (ASTM D 445).

11.2. Information on other hazards
No data available.

SECTION 12 ECOLOGICAL INFORMATION

The product is not dangerous for the environment and does not present a high toxicity for aquatic organisms with long-term negative effects for the aquatic environment.

12.1. Toxicity

Not Toxic.

12.2. Persistence and degradability

The product is biodegradable; moderately persistent, especially in anaerobic conditions.

12.3. Bioaccumulative potential

Bioavailability for aquatic organisms is minimal and therefore bioaccumulation appears unlikely.

12.4. Mobility in soil

Information not available.

12.5. Results of PBT and vPvB assessment

This mixture does not contain components considered to be either persistent, Bioaccumulative and toxic (PBT), or very persistent and very Bioaccumulative (vPvB) in concentrations of 0.1% or greater.

12.6. Endocrine disrupting properties

The mixture does not contain a substance(s) included in the list established in accordance with Article 59(1) of REACH as having endocrine disrupting properties or is not identified as having endocrine disrupting properties according to the criteria established by Commission Delegated Regulation (EU) 2017/2100 or by Commission Regulation (EU) 2018/605

12.7. Other adverse effects

Information not available.

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SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The hazardousness of the waste must be assessed on the basis of the current laws. Disposal must be entrusted to a company authorized to manage waste, in compliance with national and possibly local regulations. Absolutely avoid dispersing the product in the ground, in sewers or waterways.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management rules and must not be abandoned after use. Dispose of safely according to local and national regulations in force. Do not cut, weld, puncture, burn or incinerate containers or drums without having been reclaimed and declared safe.

SECTION 14 TRANSPORT INFORMATION

The product is not dangerous under current provisions governing the transport of dangerous goods by road (A.D.R.) and by Rail (RID), by sea (IMDG Code) and by air (IATA).

14.1. UN number or ID number; 14.2. UN proper shipping name; 14.3. Transport hazard class(es); 14.4. Packing group; 14.5. Environmental hazards; 14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments
Not applicable

SECTION 15 REGULATORY INFORMATION

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

Seveso Category.
None

Restrictions for the substances contained according to Annex XVII Regulation (EC) 1907/2006.

Product.
Point 3

Substance in Candidate List (Art. 59 REACH).
None

Substance under authorization (Annex XIV REACH).
None

Substances subject to export notification obligation Reg. (CE) 649/2012:
None

Substances under to the Rotterdam Convention:
None

Substances under to the Stockholm Convention:
None

Other UE Regulation
None

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15.2. Chemical safety assessment
A chemical safety assessment has been realized for the substances contained in the mixture.

SECTION 16 OTHER INFORMATION

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Additional data

The base mineral oils used for this final product are subject to severe hydrogenation treatments, therefore their IPA (Polycyclic Aromatic Hydrocarbons) content according to the IP 346 method is negligible. White mineral oil is therefore not classified as carcinogenic according to Regulation 1272/2008 / EC (CLP) and subsequent amendments.

LEGEND:

- ADR: European agreement for the transport of dangerous goods
- CAS NUMBER: Chemical Abstract Service number
- CE50: Concentration that gives effect to 50% of the population subject to testing
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Global harmonized system for the classification and labelling of chemical products
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the test population
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during any moment of the work exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EC) 286/2011 of the European Parliament (II Atp. CLP)
5. Regulation (EC) 618/2012 of the European Parliament (III Atp. CLP)
6. Regulation (EU) no. 487/2013 of the Commission (IV Atp. CLP)
7. Regulation (EU) no. 944/2013 of the Commission (V Atp. CLP)
8. Regulation (EU) no. 605/2014 of the Commission (VI Atp. CLP)
9. Commission Regulation (EU) 2015/1221 (VII Atp. CLP)
10. Commission Regulation (EU) 2016/918 (VIII Atp. CLP)
11. Commission Regulation (EU) 2016/1179 (IX Atp. CLP)
12. Commission Regulation (EU) 2017/776 (X Atp. CLP)
13. Commission Regulation (EU) 2018/669 (XI Atp. CLP)
14. Commission Regulation (EU) 2018/1480 (XIII Atp. CLP)
15. Commission Regulation (EU) 2019/521 (XII Atp. CLP)
16. Commission Regulation (EU) 2020/878 (REACH)

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17. The Merck Index. Ed.10
18. Handling Chemical Safety
19. Niosh - Registry of Toxic Effects of Chemical Substances
20. ECHA Agency website

Note for the user:

The information contained in this sheet is based on the knowledge available from us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product. This document must not be interpreted as a guarantee of any specific property of the product. Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force on hygiene and safety under his own responsibility. No liability is assumed for improper use. Provide adequate training to personnel involved in the use of chemicals.

This document complies with the European Regulation 2020/878

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