

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

MOS paste

Creation date	22nd October 2003	Version	15.0
Revision date	23rd December 2022		

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

1.1. Product identifier MOS paste
Substance / mixture mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against
Mixture's intended use

High performance lubricant.

The use descriptors

PW Widespread use by professional workers

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name	NOVATO
Address	Uralská 770/6, Praha, 160 00 Czech Republic
Identification number (CRN)	62910370
VAT Reg No	CZ62910370
Phone	+420 233 339 688
E-mail	petr.johanides@novato.cz
Web address	www.novato.cz

Competent person responsible for the safety data sheet

Name	ABITEC
E-mail	info@abitec.cz

1.4. Emergency telephone number

European emergency number: 112
National Health Service (NHS) 111
Poisoning information centre, Na Bojišti 1, Praha, Czech Republic, Tel.: non-stop +420 224 919 293 or +420 224 915 402, Information on health risks only - acute poisoning of humans and animals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Incomplete thermal decomposition at high temperatures can release dangerous gases.

Most serious adverse effects on human health and the environment

In the case of sensitive individuals it can irritate the skin (redness, itching, burning), in direct contact with the eyes it can irritate the eyes (redness, tearing, burning). Avoid ingestion. The mixture is not classified as dangerous for the environment. Do not allow to enter drains, soil or ground or surface water. Follow the instructions for use to make sure avoid risks to man and the environment. The full text of the H-phrases is given in section 16 of this safety data sheet.

2.2. Label elements

none

2.3. Other hazards

The mixture or its components are not classified as PBT or vPvB nor are they listed on the candidate list for Annex XIV of the REACH Regulation as of the date of preparation of the SDS.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

none

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of health problems or in case of doubt, consult a doctor and provide him with the information in this safety data sheet. In case of life-threatening conditions, perform resuscitation. Keep unconscious person in a stabilized position and do not give anything by mouth. Avoid cooling. If necessary (breathing arrest or irregular breathing), perform artificial respiration with a breathing bag. Do not induce vomiting. In case of spontaneous vomiting, avoid inhalation of vomitus.

If inhaled

There is no risk of inhalation during normal use. Discontinue exposure, rinse mouth with water, breathe fresh air. Seek medical attention if respiratory tract irritation occurs.

If on skin

Wipe the product thoroughly, rinse thoroughly with warm water, soap and treat with a regenerating cream. In case of garment contamination, remove the garment. If symptoms of irritation develop, seek medical help.

If in eyes

If it has affected contact lenses, remove them if possible. Open wide eyes rinse out of the inner corner of the eye toward the outside of a large amount of clean, lukewarm water, especially the area under the lids. Rinse for at least 15 minutes and seek medical attention.

If swallowed

Do not induce vomiting, rinse mouth with water, drink a glass of water (only if the person is conscious and does not have convulsions). Get medical attention immediately and submit this safety data sheet. In case of spontaneous vomiting, avoid inhalation of vomitus.

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

If inhaled

not available

If on skin

In sensitive individuals it may irritate the skin (redness, itching, burning).

If in eyes

Direct eye contact may irritate eyes (redness, tearing, burning).

If swallowed

Ingestion may cause gastrointestinal irritation
tract pain, abdominal pain and nausea.

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

In the normal use of the mixture, medical assistance is not required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Multipurpose powders, CO₂, foam, water mist, sand.

Unsuitable extinguishing media

Full stream of water. Crushed water can be used to cool the containers near the fire.

5.2. Special hazards arising from the substance or mixture

Imperfect combustion or thermal decomposition can produce toxic gases (CO, CO₂, hydrocarbons, etc.), dense black smoke. Inhalation of decomposition products may cause serious health damage.

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5.3. Advice for firefighters

Protective equipment adapt the nature of the fire. Use a self-contained breathing apparatus and full-body protective clothing. Cool closed containers exposed to fire with water spray or foam. Combustion residues as well as water after intervention should be disposed of as hazardous waste.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent unauthorized entry, secure leak area. Ensure adequate ventilation of the leak area. Eliminate possible sources of ignition, do not smoke, do not expose to direct sunlight. Avoid contact with skin and eyes - use personal protective equipment.

6.2. Environmental precautions

Ensure escape area, do not allow to enter into sewers, soil, surface and ground water. In the event of a large leak, monitor NPK concentrations or concentrations. TLV and inform the appropriate governmental authorities and the flow or sewerage manager.

6.3. Methods and material for containment and cleaning up

In case of a large leak, collect the paste mechanically. In the event of a minor leak, cover with a suitable sorbent (sand, diatomaceous earth, soil, rags, etc.), store the used sorbent in a closable waste container and in accordance with local regulations on waste disposal.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Follow the recommendations in the operating instructions. Ensure adequate ventilation of the work area. Avoid contact with open flames and other sources of ignition. Protect from direct sunlight. Use non-sparking tools. Take precautionary measures against static discharges. Avoid the formation of gases and vapors in flammable or explosive concentrations and concentrations exceeding the maximum permissible concentrations (NPK-P) for the working atmosphere.

Protect eyes and skin, do not breathe fumes, use personal protective equipment according to section. 8. Observe the applicable safety and health regulations. Follow the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash hands with warm soap and water before breaks, meals and after work. Observe the usual environmental precautions. Store in the original package.

7.2. Conditions for safe storage, including any incompatibilities

Store in original containers in dry, well-ventilated areas. Store away from heat, protect from direct sunlight, do not smoke. Keep away from food, drink and animal feedingstuffs. Follow the instructions on the label.

Content	Packaging type	Material of package
60 g	tube	PE
500 ml	container	PE

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture does not contain any constituents of national exposure limits specified in Annex 2, Government Decree 361/2007 Coll., As amended or European Union for Work Environment.

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8.2. Exposure controls

Ensure adequate ventilation, or workspace extraction. In case of exceeding the NPK-P, use suitable respiratory protection. Avoid contact with eyes and skin. Observe hygiene measures when working with chemicals. Do not eat, drink or smoke while working. Wash hands with lukewarm soap and water before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Protective workwear. Take off contaminated clothing, wash before reuse. Protective gloves - when choosing, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Before first use, test at a specific workplace. Replace damaged gloves.

Respiratory protection

It is not necessary if the recommended use is followed. When in case of insufficient ventilation or accident, use a mask with a filter against organic vapors and aerosols, type A.

Thermal hazard

Not Specified. Avoid heating the mixture and exposure to elevated temperatures.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid
Colour	red
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	non-flammable
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	insoluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Density: 990 kg/m³/20 °C.
The mixture is not self-igniting.
Non-volatile matter content: 95%.
The mixture does not contain VOC.

SECTION 10: Stability and reactivity

10.1. Reactivity

In normal conditions, the mixture does not show dangerous reactions.

10.2. Chemical stability

The mixture is stable under normal environmental conditions, storage and handling.

10.3. Possibility of hazardous reactions

The mixture does not show dangerous reactions if the instructions for use are followed.

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10.4. Conditions to avoid

Temperatures above 50 °C, contact with open fire, possible sources of ignition and hot surfaces, sparks, static electricity.

10.5. Incompatible materials

Strong oxidizing agents, strong acids and bases.

10.6. Hazardous decomposition products

Under normal conditions, the mixture is not decomposed. Incomplete combustion or thermal decomposition produces toxic products of burning (CO, CO₂, thick smoke, etc.).

SECTION 11: Toxicological information

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

Toxicological effects of the mixture itself have not been evaluated, toxicological data are not available. Due to the properties of the components the mixture is not classified as toxic.

Acute toxicity

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met. May cause mild eye irritation when in contact with eyes.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

In sensitive individuals, it may cause local irritation of the eyes (redness, burning in the eyes, tearing) and skin (redness, itching). Prolonged or repeated exposure may cause skin dryness or cracking. Inhalation of vapors may cause headache, malaise, drowsiness. Ingestion may cause gastrointestinal irritation, abdominal pain and nausea.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Due to the properties of the mixture it is not classified as dangerous for the environment.

More information

The ecotoxic effects of the mixture were not assessed. Do not allow liquid to enter drains or surface water.

12.2. Persistence and degradability

The mixture is biodegradable.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

12.4. Mobility in soil

It's not mobile.

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12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

not available

12.7. Other adverse effects

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of packaging and packaging residues in accordance with local waste regulations. Hand over to authorized person for disposal. Do not dispose of with household waste. Uncontaminated packaging can be handed over for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Act No. 477/2001 Coll., On Packaging, as amended.

Waste type code

12 01 12 spent waxes and fats *

Packaging waste type code

15 01 02 plastic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not available

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Always carry closed containers in upright position. Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

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SECTION 15: Regulatory information

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

Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended (the Chemical Act). Labor Code No. 262/2006, as amended. The Act No. 258/2000 Coll., on Protection of Public Health as amended. Decree laying down the hygienic limits of chemical, physical and biological indicators for indoor living rooms of some buildings No. 6/2003 Coll. Government Regulation laying down the conditions for the protection of health at work No. 9/2013 Coll. as amended. The Act No. 201/2012 Coll., on the Protection of Atmosphere – Clean Air Act as amended. Decree No. 415/2012 Coll., On the permissible level of pollution and its detection and on the implementation of certain other provisions of the Air Protection Act. The Act No. 185/2001 Coll., on Waste and the Amendment of Some Other Acts as amended. Act No. 477/2001 Coll., On Packaging, as amended. Water Act No. 150/2010 Coll., Amending Act No. 254/2001 Coll., On Water and on Amendments to Certain Acts (Water Act), as amended, and Act No. 200/1990 Coll., On offenses, as amended. Act No. 133/1985 Coll., As amended. Decree on fire prevention No. 221/2014 Coll., As amended.

15.2. Chemical safety assessment

No chemical hazard assessment was performed for this mixture.

More information

This information only indicates the basic regulations listed in this Safety Data Sheet. Please note the possible existence of additional regulations supplementing these Regulations. We refer to all applicable national, international and local regulations and regulations.

SECTION 16: Other information

Other important information about human health protection

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the supplier can not control the specific conditions of use of the mixture, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry

SAFETY DATA SHEET

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log Kow	Octanol-water partition coefficient
NPK	Maximum admissible concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Training guidelines

According to § 103 and § 104 of Act No. 262/2006 Coll., The Labor Code, as amended.

Recommended restrictions of use

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the specific conditions of use of the substance are beyond the control of the supplier, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

Information about data sources used to compile the Safety Data Sheet

Manufacturer data and toxicological databases.

The changes (which information has been added, deleted or modified)

Updating the Safety Data Sheet in accordance with Commission Regulation (EU) No. 2015/830.

Statement

The safety data sheet contains the data needed to ensure safety and health at work and environmental protection. These data correspond to the current state of knowledge and experience and are in accordance with applicable legal regulations. They can not be considered as a guarantee of the suitability and usability of the product for a specific application. The user is responsible for the treatment under existing laws and regulations.