

SAFETY DATA SHEET

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

1.1. Product identifier

Product name Nasiol CleaRub 305

Product description High performance cutting compound.

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

Identified uses Automotive car care.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Artekya Teknoloji Limited Şirketi
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Tel: +90 (212) 670 13 95
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1.4. Emergency telephone number

Emergency telephone Artekya Tel: +90 (532) 769 44 27
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards The product is not classified as physically hazardous.

Health hazards The product is not classified as hazardous for health.

Environmental hazards The product is not classified as environmentally hazardous.

2.2. Label elements

Precautionary statements P102 Keep out of reach of children.

Special labelling for certain mixtures EUH210 Safety data sheet available on request.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance Name	Identification Numbers	Classification	Concentration (wt%)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS Number: 64742-48-9 EC Number: 918-481-9	Asp. Tox. 1 – H304 EUH066	10 - <15%

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General Information	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Skin contact	Wash skin thoroughly with soap and water or use an approved skin cleanser. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue. If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

No information available.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No special measures are necessary.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions Immiscible with water. Spills may have hazardous effects on the environment. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling No special measures are necessary. Minimum standard for preventive measures while handling with working materials are specified in the TGRS 500.

Advice on protection against fire and explosion No special fire protection measures are necessary. Only use the material in places where open light, fire and other flammable sources can be kept away.

Further information on handling Take off contaminated clothing. Wash hands before breaks and after work. When using do not smoke, eat or drink. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapors/spray.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store away from incompatible materials (see Section 10). Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.

Further information on storage conditions

Recommended storage temperature: 15-25°C.

7.3. Specific end use(s)

Specific end use(s) Automotive care products.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Exposure Limits (EH40)

Substance Name	CAS No	ppm	mg/m ³	Fibers/mL	Category	Origin
Aluminum Oxides, respirable dust	1344-28-1	-	4		TWA (8h)	WEL
Glycerol, mist	56-81-5	-	10		TWA (8h)	WEL

DNEL/DMEL values

Substance Name	CAS No	Exposure Route	Effect	Value
aluminum oxide	1344-28-1			
Consumer DNEL, long-term		oral	systemic	3.29 mg/kg bw/day
Worker DNEL, long-term		inhalation	local	15.63 mg/m ³
glycerol	56-81-5			
Consumer DNEL, long-term		oral	systemic	229 mg/kg bw/day
Worker DNEL, long-term		inhalation	local	56 mg/m ³
Consumer DNEL, long-term		inhalation	local	33 mg/m ³

PNEC values

Substance Name	CAS No	Environmental compartment	Value
aluminum oxide	1344-28-1		
Fresh water			0.0749 mg/L
Micro-organisms in sewage treatment plants (STP)			20 mg/L
glycerol	56-81-5		
Fresh water			0.885 mg/L
Marine water			0.00885 mg/L
Fresh water sediment			3.3 mg/kg
Marine sediment			0.33 mg/kg
Soil			0.141 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimize worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimize exposure.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hygiene measures

Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.

Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Color	Whitish.
Odor	Characteristic.
Odor threshold	No information available.
pH	7.8
Melting point	No information available.
Initial boiling point and range	100°C @4 mmHg.
Flash point	>61°C.
Evaporation rate	No information available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	7% v/v (upper), 0.5% v/v (lower).
Vapor pressure	0.6 hPa @20°C.
Vapor density	No information available.
Relative density	No information available.
Density	1.21 g/cm ³ .
Solubility(ies)	Completely miscible with water.
Partition coefficient	No information available.
Auto-ignition temperature	>200°C.
Decomposition temperature	No information available.
Viscosity (dynamic)	25000-30000 mPa.s
Explosive properties	No information available.
Oxidizing properties	Not oxidizing.
Solvent content	16.00 %
<u>9.2. Other information</u>	
Other information	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No hazardous reaction when handled and stored according to provisions.

10.2. Chemical Stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid heat. Containers can burst violently or explode when heated, due to excessive pressure build-up.

10.5. Incompatible materials

Materials to avoid Strong acid. Strong alkali. Highly oxidizing substances.

10.6. Hazardous decomposition products

Hazardous decomposition products No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data the classification criteria are not met.

Substance Name	Exposure Route	Dose	Species
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	Oral	LD50 > 5000 mg/kg (OECD 401)	Rat
	Dermal	LD50 > 2000 mg/kg (OECD 402)	Rat

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitization

Respiratory sensitization Based on available data the classification criteria are not met.

Skin sensitization

Skin sensitization Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity – in vitro Based on available data the classification criteria are not met.

Carcinogenicity

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

IARC carcinogenicity

None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

STOT – single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity – repeated exposure

STOT – repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

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

SECTION 12: Ecological information

Ecotoxicity Based on available data the classification criteria are not met.

12.1. Toxicity

Toxicity

CAS No	Substance name				
	Aquatic toxicity	Dose	[h] [d]	Source	Method
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics					
	Acute fish toxicity	LC50 > 1000 mg/L	96 h	ECHA	OECD 203
	Acute algae toxicity	ErC50 > 1000 mg/L	72 h	ECHA	OECD 201
	Acute crustacea toxicity	EC50 > 1000 mg/L	48 h	ECHA	OECD 202

12.2. Persistence and degradability

Persistence and degradability The substances in the mixture do not meet PBT/vPvB criteria according to REACH, annex XIII.

CAS No	Substance name			
	Method	Value	[d]	Source
	Evaluation			
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
	OECD 301 F	80%	28	ECHA
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No information available.

12.6. Other adverse effects

Other adverse effects None known.

Further information Do not allow to enter surface water or drains. Do not allow to enter soil/subsoil.

SECTION 13: Disposal consideration

13.1. Waste treatment methods

General information

The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers on liners may retain some product residues and hence be potentially hazardous.

Disposal methods

Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN Number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine product No.

14.6. Special precautions for user

No special measures are necessary.

14.7. Transport in bulk according to Annex II of MARPEL and the IBC Code

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

National regulations

Water contaminating class (D): 1 – slightly water contaminating.

EU regulatory information

2010/75/EU (VOC): 10% (121 g/L)
2004/42/EC (VOC): 10.005% (121.054 g/L)

Additional information To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in this safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IATA: International Air Transport Association.
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Code for Dangerous Goods.
CAS: Chemical Abstracts Service.
LC₅₀: Lethal Concentration to 50% of a test population.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC₅₀: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Verp Persistent and Very Bioaccumulative.

Chemical abbreviations and acronyms

Asp. Tox. = Aspiration hazard

General information

Only trained personnel should use this material.

Key literature references and sources for data

Source: European Chemical Agency, <http://echa.europa.eu/>

Training advice

Read and follow manufacturer's recommendations. Only trained personnel should use this material.

Identified Uses

No	Short Title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Formulation or re-packing	F	-	-	8a, 9	2	-	-	
2	Automotive care products, industrial uses	IS	-	-	7, 10, 17	4	-	-	
3	Automotive care products, professional uses	PW	-	-	10, 11, 17	8a	-	-	
4	Automotive care products, consumer use	C	-	31	-	8a	-	-	

LCS: Life cycle stages
PC: Product categories
ERC: Environmental release categories
TF: Technical functions

SU: Sectors of use
PROC: Process categories
AC: Article categories

Revision comments

This is the first issue.

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Revision date	24/06/2019
Revision	0,2
Supersedes date	24/06/2019
Hazard statements in full	H304 May be fatal if swallowed and enters airways. EUH066 Repeated exposure may cause skin dryness or cracking. EUH210 Safety data sheet available on request.



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