

SAFETY DATA SHEET
in line with Annex II of the Commission Regulation (EU) No. 453/2010

Last revision date: 2023-02-29

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

1.1. Product identifier Ewocar

HYDRO36

UFI: 3500-Q06Q-Y00P-TK9D

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

Paint protection for automobile body **1.3 Details of the supplier of the safety data sheet**

Manufacturer/supplier: UAB „Nanoplus“

Address of the manufacturer/supplier: Šermukšnių g. 5, Biruliškių k., Kauno r, telefonas +37068311434, Email:

info@allnano.lt

Email of the employee responsible for the MSDS:: info@allnano.lt

1.4 Emergency telephone number

Emergency telephone number in case of poisoning: +37052362052, mob. +37068753378

2. SECTION HAZARDS IDENTIFICATIONS 2.1

Classification of the substance or mixture

Health hazard:

H304 May be fatal if swallowed and enters airways.

Hazardous properties:

Not determined

Environmental risks:

Not determined

2.2 Label elements

Classification of the substance or mixture according to **Regulation (EC) No. 1272/2008 [CLP/GHS]**:

Signal word: Dgr **Dangerous Hazard pictogram:**



GHS08

Hazard statements:

H304 May be fatal if swallowed and enters airways.

Precautionary statements:

P301+310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/... P331

Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container to in accordance with local/regional/national/international regulation (to be specified).

2.3 Other hazards

3. SECTION COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Substance:		
CAS: 64742-47-8	Distillates (petroleum) hydrotreated	>85
EC Nr.: 265-149-8	H304 Asp. Tox. 1 GHS08	

NOTE: The text regarding the risk phrases and hazard symbols is provided in Section 16.

4. SECTION FIRST AID MEASURES

4.1 Description of first aid measures

Following inhalation. Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Following skin contact. Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

Following eye contact. Flush thoroughly with water. If irritation occurs, get medical assistance.

Following ingestion. Seek immediate medical attention. Do not induce vomiting.

Self-protection of the first aider. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection.

4.2 Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

NOTE TO PHYSICIAN: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis.

Treat appropriately.

In case an intoxication is suspected, National Poisons Information Centre should be addressed immediately..

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5. SECTION FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Unsuitable extinguishing media: Straight streams of water.

5.2 Special hazards arising from the substance or mixture

Smoke, Fume, Incomplete combustion products, Oxides of carbon. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

5.3 Advice for firefighters

Special protective equipment for firefighters. Evacuate area. Fire fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).

Special firefighting procedures. Use water spray to cool fire-exposed surface and to protect personnel.

6. SECTION ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel. Avoid contact with spilled material. Use personal protective equipment.

See Section 8 for Personal Protective Equipment.

For emergency responders. Avoid contact with spilled material. Use personal protective equipment. See

Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for Personal Protective Equipment.

6.2 Environmental precautions

Land Spill: Stop leak if you can do so without risk. Note: Local regulations may prescribe or limit action to be taken.

Water Spill: Prevent product from entering drains. Stop leak if you can do so without risk. Warn other shipping. Note: Local regulations may prescribe or limit action to be taken.

Notification Procedures

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

6.3 Methods and material for containment and cleaning up

Land Spill: Absorb or cover with dry earth, sand or other non combustible material and transfer to containers.

Recover by pumping or with suitable absorbent.

Water Spill: Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants. Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted.

6.4 Reference to other sections

Observe protective provisions (see chapter 7 and 8).

7. SECTION HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective measures. Avoid contact with skin. Use proper bonding and/or earthing procedures. However, bonding and earthing may not eliminate the hazard from static accumulation. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapours from liquids or residues that may be present (e.g., during switch-loading operations). Consult local applicable standards for guidance.

Measures to prevent fire. Material can release vapours that readily form flammable mixtures. Vapour accumulation could flash and/or explode if ignited. Material can accumulate static charges, which may cause an ignition.

Loading/Unloading Temperature: [Ambient] Transport Temperature: [Ambient]

Transport Pressure: [Ambient] Static Accumulator: This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10⁻¹² Siemens per meter) and is considered a semi conductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi conductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers. The container choice, for example storage vessel, may effect static accumulation and dissipation. Do not store in open or unlabelled containers. Keep container closed.

Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, wellventilated area.

Storage Temperature: [Ambient]

Storage Pressure: [Ambient]

Suitable Containers/Packing: Tank Cars; Barges; Drums; Tank Trucks

Suitable Materials and Coatings (Chemical Compatibility): Teflon; Polyethylene; Carbon Steel; Polypropylene

Unsuitable Materials and Coatings: Polystyrene; Butyl Rubber; Natural Rubber; Ethylene-propylene-diene monomer (EPDM).

7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use. Read label before use

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8. SECTION EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters None.

8.2 Exposure controls

The level of protection and types of controls necessary will vary depending up on potential exposure conditions. Control measures to consider: Adequate ventilation should be provided so that exposure limits are not exceeded.

General information. Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based up on intended, normal usage.

Engineering measures: Provide adequate ventilation and minimise the risk of inhalation of vapours and oil mist. Use explosion-proof equipment. Provide easy access to water supply and eye wash facilities.

General information. Use personal protective equipment as required. Keep working clothes separately. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: Half-face filter respirator. For high air borne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are in adequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.



Hand and skin protection:

Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and break through time will differ depending on the specific use conditions.

Contact the glove manufacturer or specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include: If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves.



Other skin protection: Body protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.

Personal hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

9. SECTION PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: liquid

Odour: characteristic

Hydrogen ion concentration (pH): not applicable

Melting point/freezing point: -25

Initial boiling point: 175 (4 mm)

Boiling point, °C, or boiling range: not available

Boiling point, °C, or boiling range: - Flammability: not applicable

Auto-ignition temperature, °C: not determined

Flash point, °C: 69 Explosive limits:

Lower, volume %: 0,9

Upper, volume %: 12

Oxidising properties: not determined

Freeze/melt temperature, °C: not determined

Vapour pressure, kPa: 10 mm Hg

Relative density: 0,88 Specific mass, density g/cm³:

Water solubility:

Partition coefficient (n-octanol/water): not available

Auto-ignition temperature, °C: 275

Viscosity: not determined

Vapour specific density: not determined

Evaporation rate: not available

Volatiles, %: 100

Specific gravity: 0,88

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9.2 Other information No additional information.

10. SECTION STABILITY AND REACTIVITY

10.1 Reactivity

Reacts with water and moisture in air liberating methanol.

10.2 Chemical stability

Stable in sealed containers stored

10.3 Possibility of hazardous reactions

Reacts with water and moisture in air liberating methanol.

10.4 Conditions to avoid

Combustible; avoid contact with heat, sparks or open flame.

10.5 Incompatible materials

Avoid contact with peroxides, oxidizing agents, alcohols, acids.

10.6 Hazardous decomposition products Organic

amine vapours

11. SECTION TOXICOLOGICAL INFORMATION

Basis for Assessment: Information given is based on product testing, and/or similar products, and/or components.

11.1 Information on toxicological effects

Acute toxicity:

Acute Oral Toxicity: Expected to be of low toxicity: LD50 >2000 mg/kg, Rat. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis, which can be fatal.

Acute Dermal Toxicity: Expected to be of low toxicity: LD50 >2000 mg/kg, Rat.

Acute Inhalation Toxicity: Low toxicity: LC50 greater than near-saturated vapour concentration/4hours, Rat. **Skin corrosion/irritation.** May cause moderate skin irritation (but insufficient to classify). Prolonged/repeated contact may cause defatting of the skin, which can lead to dermatitis. Essentially non-irritating to eyes.

Serious eye damage/eye irritation. Essentially non-irritating to eyes.

Respiratory or skin sensitisation. Not expected to be a skin sensitiser.

Germ cell mutagenicity. Not expected to be mutagenic.

Carcinogenicity. Repeated exposure causes skin tumour promotion in experimental animals.

Reproductive toxicity. Not expected to be a developmental toxicant. Not expected to impair fertility.

STOT - single exposure. Not data available.

STOT - repeated exposure. Kidney: caused kidney effects in male rats which, are not considered relevant to humans.

Aspiration hazard. Not data available.

12. SECTION ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to Fish and Aquatic Invertebrates: Low toxicity: LC/EC/IC50 >980 mg/l Toxicity

to Algae: Low toxicity: LC/EC/IC50 >9800 mg/l

12.2 Persistence and degradability

Expected to be readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

12.3 Bioaccumulative potential Has

the potential to bioaccumulate.

12.4 Mobility in soil

Floats on water. Adsorbs to soil and has low mobility.

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

No further relevant information available.

13. SECTION DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Spilled liquid is washed with water (small quantities). Larger quantities are absorbed and collected to containers intended for that purpose. Packaging can be recycled.

14. SECTION TRANSPORT INFORMATION

14.1 UN 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**

Read safety instructions, SDS and emergency procedures before handling.

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

Not applicable. However, this product is a liquid and if transported in bulk covered under MARPOL 73/78, Annex I.

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15. SECTION REGULATORY INFORMATION

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

Normative legal acts regulating classification, marking, restriction of use, occupational safety and health requirements, limit values in the workplace setting, waste disposal etc.

Waste disposal rules (approved by Order No. 722 of the Minister of Environment of 30 December 2003, Official Gazette, 2004, No. 68-2381, 2008, No. 55-2109).

Rules for disposal of packaging and packaging waste (approved by Order No. 248 of the Minister of Environment on 27 June 2002, Official Gazette, 2002, No. 81-3503).

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

Regulations for providing employees with individual protection means (approved by Order No. A1-331 of the Minister of Social Security and Labour of 26 November 2007, Official Gazette, 2007, No. 123-5055).

List of acute health disorders caused by hazardous chemical substances and preparations in the special means of first medical aid, and by biological agents (approved by Order No. V-769 of the Minister of Health of 24 December 2003, Official Gazette, 2004, No. 7-157).

HN: 23:2007 "Limit values of occupational exposure to chemical substances. General requirements to measurement and exposure assessment" (approved by Order of the Minister of Health and Minister of Social Security and Labour of the Republic of Lithuania No. V-827/A1-287 of 15 October 2007, Official Gazette, 2007, No. 108-4434).

Packing requirements of dangerous chemical substances and preparations and procedure of packaging (approved by Order No. 5989 of the Minister of Environment of the Republic of Lithuania of 19 November 2002, Official Gazette, 2002, No. 115-5161, 2008, No. 53-1989).

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a 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.

Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 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.

Commission Regulation (EC) No. 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation).

Commission Regulation (EU) No. 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

15.2 Chemical safety assessment

16. SECTION OTHER INFORMATION Hazard

statements:

H304 May be fatal if swallowed and enters airways.

Data presented in this safety data sheet must be available to everyone whose work is associated with the chemical substance or preparation. The data corresponds to the knowledge in our possession and is intended to characterise the chemical product in terms of occupational safety and health, and environmental protection. Information of the safety data sheet will be updated as any new data about the effect of the preparation on health and environment, and prevention measures to reduce or avoid the hazards altogether appears. Information contained in the safety data sheet does not reveal other specific properties of the chemical substance or preparation.