HIDROMOL HVI ZFX 68

According to REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Date of First Publication : 03.08.2026
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SECTION 1 : IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier	Trade Name : HIDROMOL HVI ZFX 68 Product Form : Mixture EC No. : Not available CAS No. : Not available REACH Registration No. : Not available
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified uses: Industrial oil
1.3 Details of the supplier of the safety data sheet	GÜZEL ENERJİ AKARYAKIT A.Ş. 10013 Sokak No.: 6 A.O.S.B. Çiğli/İZMİR Tel: 0 232 328 10 36 Faks: 0 232 328 20 82 e-mail: moillaboratuvar@guzelenerji.com.tr
1.4 Emergency telephone number	Güzel Enerji Akaryakıt A.Ş.: 0 232 328 10 36 UZEM (National Poison Consultancy Center): 114

SECTION 2 : HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Not Classified

2.2 Label elements
No Label elements according to Regulation (EC) No 1272/2008
Signal Words: No marker words

2.3 Other hazards
Physical / Chemical Hazards: Not classified as harmful
Health Hazards: Not classified as harmful
Environmental Hazards: Not classified as harmful

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SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances
Not Applicable.

3.2 Mixtures
Highly refined base oil (IP 346 DMSO extraction, <3%). Special performance additives.

Chemical Composition	CAS No.	EC No.	Concentration	Classification
Distillates, hydrotreated heavy paraffinic	64742-54-7	265-157-1	80% - 90%	-

REACH No.: Not available.
Additional information:
The Full Text for all Hazard Statements are Displayed in Section 16.

SECTION 4 : FIRST AID MEASURES

4.1 Description of first aid measures
EYE CONTACT: Wash thoroughly with plenty of water. Remove any contact lenses. Obtain medical advice if any pain or redness develops or persists.
SKIN CONTACT: Wash skin thoroughly with soap and plenty water. Remove heavily contaminated clothing and wash underlying skin.
INHALATION: If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist, obtain medical advice.
INGESTION: If contamination the mouth occurs, wash out thoroughly with water. If ingestion occurs large amounts, do not induce vomiting; obtain medical advice of.

4.2 Most important symptoms and effects, both acute and delayed
Ingestion may result in nausea, vomiting and/or diarrhoea.

4.3 Indication of any immediate medical attention and special treatment needed
Notes to doctor/physician: Treat symptomatically.

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SECTION 5 : FIREFIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media: Dry chemical powder, foam, water fog, CO^2
Unsuitable extinguishing media: Do not interfere with water to fire. Throwing strong water may spread fire.

5.2 Special hazards arising from the substance or mixture
Combustion occurs as a result of toxic gases. Carbon monoxide may be evolved if incomplete combustion occurs. With high temperatures may burn.

5.3 Advice for firefighters
Closed areas, by trained personnel using fire protective clothing and oxygen mask deflated.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with skin and eyes. Safety glasses, work clothes, gloves and boots should be used.
Provide adequate ventilation.

6.2 Environmental precautions
Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up
Slippery when spilt. Scrape up bulk of solid material and remove liquid with sand or other suitable inert absorbent material. Spilled product should be isolated from sources of ignition, good ventilation should be provided. Recovery of large spillages should be done by specialist personnel.

6.4 Reference to other sections
For guidance on selection of personal protective equipment see Chapter 8 of this Safety Data Sheet.
For guidance on disposal of spilled material see Chapter 13 of this Safety Data Sheet.

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SECTION 7 : HANDLING AND STORAGE

7.1 Precautions for safe handling

Good ventilation should be provided in the environment and should be avoided during use of the inhalation.
Skin contact should be avoided and hygienic rules should be applied.
Avoid eating, drinking and smoking while using. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Be exposed to direct sun rays, should not be stored near heat sources.

7.3 Specific end use(s)

Not applicable.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure Limit Values: Base oil – uncertain TWA: 5 mg/m^3 8 hour.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation in the work area. Avoid inhalation of vapours.

8.2.2 Individual protection measures, such as personal protective equipment

Personal protective equipment symbol(s)



Eye protection

If contact is likely safety glasses with side shields are recommended.

Skin protection

Wear protective clothing and gloves.

Hand protection
Chemical-resistant gloves (nitrile or neoprene) should be used.
Respiratory protection
If operations are such that exposure to vapour mist or fume may be anticipated then suitable approved respiratory equipment should be worn.

8.2.3 Environmental exposure controls
Take appropriate measures to fulfill the requirements of relevant environmental protection legislation.
Do not allow the material to interfere with water pipes, lacrimation and soil.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	: Clear, Liquid
Colour	: Amber
Odour	: Characteristic
Odour Threshold	: Data not available
pH	: Not applicable
Melting Point	: Not applicable
Pour Point	: -33 °C
Initial boiling point and boiling range	: Data not available
Flash Point °C	: 216 °C (Method: ASTM D92, Cleveland open cup).
Evaporation Rate	: Data not available
Flammability (solid, gas)	: Data not available
Upper / Lower Flammability Limits	: Data not available
Vapour Pressure	: Data not available
Vapour Density	: Data not available
Density, 15 °C	: 0.870 g/ml
Solubility in Water	: Negligible
Partition Coefficient	: Data not available
Auto-ignition Temperature	: Data not available
Decomposition Temperature	: Data not available
Viscosity 40 °C	: 68 mm^2/s (Method: ASTM D445)
Explosive properties	: Data not available
Oxidizing properties	: Data not available

9.2 Other information
Data not available

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity
See-sub-sections below.

10.2 Chemical stability
Stabile.

10.3 Possibility of hazardous reactions
Under normal conditions of storage and use, no hazardous reactions will occur.

10.4 Conditions to avoid
Do not expose to high temperatures or direct sunlight.

10.5 Incompatible materials
Avoid contact with strong oxidizing agents.

10.6 Hazardous decomposition products
Thermal decomposition products will vary with conditions.
If there is not a complete combustion, smoke, hazardous gases, including carbon dioxide and carbon monoxide occurs.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Eye contact : May irritate eyes.
Skin contact : May cause skin irritation.
Ingestion : May cause discomfort if swallowed. The main symptoms are gastrointestinal ailments, including upset stomach.
Inhalation : May cause irritation to eyes, nose and throat at high vapour concentrations.

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SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity
It is thought to be harmful to aquatic organisms. Spills on the surface of water forming a film layer prevents oxygen transfer.

12.2 Persistence and degradability
Expected to be inherently biodegradable.

12.3 Bioaccumulative potential
Data not available.

12.4 Mobility in soil
Spilled product can cause pollution of groundwater.

12.5 Results of PBT and vPvB assessment
Data not available.

12.6 Other adverse effects
No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Dispose of by incineration or other suitable means under conditions approved by the local authority or via licensed waste disposal contractor.

Waste no time to be spilled to the environment and waterways.
Dispose of packaging or containers in accordance with local regional national and international regulations.

SECTION 14 : TRANSPORT INFORMATION

14.1 UN number
Not classified as hazardous for transport. (ADR/RID, ADNR, IMDG, ICAO/IATA)

14.2 UN proper shipping name
Not classified as hazardous for transport. (ADR/RID, ADNR, IMDG, ICAO/IATA)

14.3 Transport hazard class(es)
Not classified as hazardous for transport. (ADR/RID, ADNR, IMDG, ICAO/IATA)

14.4 Packing group
Not classified as hazardous for transport. (ADR/RID, ADNR, IMDG, ICAO/IATA)

14.5 Environmental hazards
Not classified as hazardous for transport. (ADR/RID, ADNR, IMDG, ICAO/IATA)

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

SECTION 15 : REGULATORY INFORMATION

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

Applicable EU Directives and Regulations:
Regulation (EC) No 1907/2006 - REACH
Regulation No 1272/2008 – CLP (Regulation on classification, labelling and packaging)
Commission Regulation (EU) 2020/878
ECHA Guidance on the compilation of safety data sheets

15.2 Chemical safety assessment
There is no chemical safety assessment application.

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SECTION 16 : OTHER INFORMATION

Abbreviations and acronyms

ADR : International Carriage of Dangerous Goods by Road
ADNR : Carriage of Dangerous Goods by Inland Waterways
RID : Regulations Relating to International Carriage of Dangerous Goods by Rail
IMDG : International Maritime Dangerous Goods
ICAO-TI : International Civil Aviation Organization - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IATA : International Air Transport Association
ACGIH : American Conference of Governmental Industrial Hygienists
ASTM : American Society for Testing and Materials
CAS : Chemical Abstracts Service
GHS : Globally Harmonised System of Classification and Labelling of Chemicals
OEL : Occupational Exposure Limit
TWA : Time-Weighted Average
STEL : Short term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
vPvB : Very Persistent and very Bioaccumulative
MARPOL 73/78 : International Convention for the Prevention of Pollution From Ships

Wording of the H-statements in section 2 and 3:

None

Full text of other abbreviations

None

Revision Comments

This document is published for the first time.

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