

Safety Data Sheet

According to Regulation (EC) No. 1907/2006

Plus20km Diesel Fuel Additive

Date of Revision: 15-01-2010

Section 1 – Chemical Product and Company Identification

1. Identification of the substance/mixture and of the company/undertaking

Catalogue Number: ME/205

Product name: Plus20km Diesel Fuel Additive

Reach registration number: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006 and amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation, the „+20km” and Mobil branded products are classified as a „substance solely intended to provide physiochemical characteristic functions as intended” accordingly to the registration rules of REACH Regulation no registration required.

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

Petrol Combustion engine additive

For additional information on uses refer to Plus20km portal (www.plus20.net)

1.3 Details of the supplier of safety data sheet

Company Mobil Energy Kft. 2030 Érd, Bajcsy Zs. ut 79 Hungary Phone: +3623445060

Responsible Department e-mail: info@mobilenergy.hu

1.4 Emergency telephone number

Please contact your regional authorities accordingly

2. Hazard identification

2.1 Classification of the substance or mixture

Classification (Regulation (EC) No 1272/2008

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Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

Specific target organ toxicity – single exposure, Category 3

H336: May cause drowsiness or dizziness.

For the full text of H-Statements mentioned in the Section, see Section 15

Eye irritation, Category 2 H319: Causes serious eye irritation.

Classification (67/548/EEC, 1999/45/EC)

Highly flammable R11: Highly flammable.

S R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements : **Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P243 Take precautionary measures against static discharge.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statements: EUH066 Repeated exposure may cause skin dryness or cracking. Hazard pictograms



Supplemental Hazard

Statements: EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Inhalation of vapours may cause mild irritation to the mucous membrane.

May be absorbed into the body by inhalation and through the skin.

Repeated exposure may result in irreversible damage to the central nervous system (solvent-induced Neurotoxicity. The substance may cause effects on the:

Gastrointestinal tract. Symptoms of poisoning.

Headache, nausea, dizziness, unconsciousness

3. Composition/information on ingredients**3.1 Substances**

Chemical Name N/A CAS-No. N/A

EINECS-No. N/A / ELINCS No. N/A

Concentration [%]

Ingredient Name	Einecs no.	CAS Number	Content/Volume %	Classification
Methylbenzene	203-625-9	108-88-3	10-20	R11/20/48 /63 /65 /67
DMK	200-662-2	67-64-1	40-70	R11 Xi;R36 R66 R67
Naphthalene	214-552-7	91-20-3	10-30	R20 R40 R50 R53

4 FIRST-AID MEASURES

INHALATION

Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention.

INGESTION

Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

SPECIFIC HAZARDS

Oxides of: Carbon.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of spray mist and contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb with inert, damp, non-combustible material, then flush area

with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Mechanical ventilation or local exhaust ventilation is required. Protect against direct sunlight.

STORAGE PRECAUTIONS

Ground container and transfer equipment to eliminate static electric sparks. Protect from light, including direct sunrays. Suitable containers: stainless steel, polyethylene lined mild steel. Glass.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name Std LT - ppm LT - mg/m3 ST - ppm ST - mg/m3

Diesel Fuel Additive Well 500 ppm 1210 mg/m3 1500 ppm 3620 mg/m3

PROTECTIVE EQUIPMENT

PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Butyl rubber gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Vapor Pressure (@19 °C): 231 mm/Hg (Major component)

Boiling Point: 50-170 °C

Refractive Index: 1.3661

% Volatile: 100

Evaporation Rate: Slower than ether

Appearance and Odor: Clear, semi sweet, coal tar

Vapor Density (Air=1): Heavier than air

Density: 0.80kg /lit.

Specific Gravity (H₂O=1, at °C): 0.835

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

MATERIALS TO AVOID

Strong oxidising substances. Strong reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of: Carbon.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 5800 mg/kg (oral rat)

INHALATION

Drowsiness, dizziness, disorientation, vertigo. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

INGESTION

May cause nausea, headache, dizziness and intoxication. Gastrointestinal symptoms, including upset stomach. Narcotic effect.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product is not expected to be toxic to aquatic organisms.

MOBILITY

The product is soluble in water.

BIOACCUMULATION

The product is not bioaccumulating.

DEGRADABILITY

The product is easily biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

Do not puncture or incinerate even when empty.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME Diesel Fuel Additive

UN NO. ROAD 1090 UK ROAD PACK GR.

ADR CLASS NO. 3 ADR CLASS Class 3: Flammable liquids.

ADR PACK GROUP II HAZARD No. (ADR) 33

ADR LABEL NO. 3 HAZCHEM CODE 2YE

CEPIC TEC(R) NO. 30GF1-I+II RID CLASS NO. 3

RID PACK GROUP II UN NO. SEA 1090

IMDG 3 IMDG PACK GR. II

EMS F-E, S-D MFAG See Guide

MARINE POLLUTANT No. UN NO. AIR 1090

AIR 3 AIR PACK GR. II

15 REGULATORY INFORMATION

Harmful

Flammable

RISK PHRASES

R11 Highly flammable.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9 Keep container in a well-ventilated place.

S16 Keep away from sources of ignition - No smoking.

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 Wear suitable protective clothing.

S37 Wear suitable gloves.

S51 Use only in well-ventilated areas.

S60 This material and its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions / safety data sheets

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION DATE 16 Dec 2010

SAFETY DATA SHEET STATUS

Approved.

DATE 16 Dec 2010

SIGNATURE Zoltan Fonagy

Fuel Additive

RISK PHRASES IN FULL

R11 Highly flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness