
Prepared in the format conforming to the Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ of EU no L132 of 29 May 2015)

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier

Mr Tip/Dieselskydd

1.2 Relevant identified uses of the substance or mixture and uses advised against <u>Identified uses</u>: Additive to diesel oil.

Uses advised against: Not identified.

1.3 Details of the supplier of the safety data sheet:

Supplier:

"MGM" MARCIN GARBACZ

POLNA St. 24

05-119 LEGIONOWO, POLAND

Phone: +48 790 55 17 17

E- mail address: garbacz.marcin@gmail.com

1.4 Emergency telephone number

Emergency telephone number in Poland (operating Mo.-Fr. 9:00 – 16:00): + 48 790 55 17 17

Date of compilation/update: 12.07.2013/28.10.2015

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Flammable liquids, Hazard Category 3 (Flam. Liq. 3)

Flammable liquid and vapour. (H226)

Aspiration hazard, Hazard Category 1 (Asp. Tox. 1)

May be fatal if swallowed and enters airways. (H304)

Hazardous to the aquatic environment — Chronic Hazard, Category 2 (Aquatic Chronic 2)

Toxic to aquatic life with long lasting effects. (H411)

Harmful effects on human health:

At large concentrations of vapors or in case of direct contact with eyes may cause slight irritation, redness, lacrimation, burning sensation, pain. Contact with skin may cause itching, local redness, inflammatory state and in case of prolonged contact - dryness and flaking of skin. Inhalation of vapors at high concentrations may cause feeling of tiredness, weakness, somnolence, headache and dizziness, cough, shortness of breath. After ingestion causes nausea, vomiting with risk of aspiration into respiratory tract, leading to inflammation of lungs or pulmonary edema.

Environmental effects:

Toxic to aquatic life with long lasting effects.

Adverse effects associated with physico-chemical properties:

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Vapours of the product are heavier than air and may form explosive mixtures with air. They accumulate close to the ground surface and in the lower parts of the premises. Containers exposed to fire or extreme heat may explode.

2.2 Label elements

Pictograms:







Signal Word: Danger

Hazard Statements:

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H411 - Toxic to aquatic life with long lasting effects.

EUH066- Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P260 - Do not breathe vapours.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331- Do NOT induce vomiting.

P405 - Store locked up.

P501 - Dispose of contents/container to designated waste recipient.

Additional labelling:

Contains: Distillates (petroleum), catalytic reformed hydrotreated light, C 8- 12 arom. fraction; Solvent naphtha (petroleum), heavy arom.

When supplied to the general public the packaging shall be fitted with child-resistant fastenings and a tactile warning of danger. (part 3 of Annex II to CLP)

2.3 Other hazards

This mixture meets neither PBT nor vPvB criteria.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Product identifier: Mr Tip/Dieselskydd

Mixture components:

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Substance name	Index no	CAS no.	EC no.	% mass fraction	Classification according to the Regulation (EC) No 1272/2008	
Substance name	muck no.				Hazard Classes and Category Codes	Hazard statement codes
Distillates (petroleum), catalytic reformed hydrotreated light, C8-12 arom. fraction*	649-309-00-8	85116-58-1	285-509-8	55 - 60	Asp. Tox. 1	H304
Solvent naphtha (petroleum), heavy arom.*	649-424-00-3	64742-94-5	265-198-5	15 - 20	Flam. Liq. 3 Asp. Tox. 1 - Aquatic Chronic 2	H226 H304 EUH066** H411
Naphthalene	601-052-00-2	91-20-3	202-049-5	0.5 - < 1	Carc. 2 Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1	H351 H302 H400 H410

In addition the product contains:

Ethylene-vinyl acetate copolymer (CAS: 24937-78-8; EINECS: 607-457-0): 15 - 20 %

Classification according to Regulation (EC) No 1272/2008:

*Note P was applied

The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

** EUH066 statement is placed only on the label

Full text of H statements, symbols' acronyms, hazard classes and category codes have been specified in the Section 16 of this safety data sheet.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove casualty from exposure site to fresh air, keep at rest and protect against heat

loss. If necessary obtain medical advice.

Skin contact: Rinse immediately with copious amount of water, take off contaminated clothes, wash

skin with soap and water. Seek medical advice if needed.

Eye contact: Rinse immediately with copious amount of lukewarm water for at least 15 min. Remove

contact lenses. To avoid cornea damage, don't use jet stream. If irritation persists, seek

ophthalmologist's advice.

Ingestion: If swallowed, do not induce vomiting because of the risk of aspiration and entry into

respiratory tract. Provide medical assistance immediately.

4.2 Most important symptoms and effects, both acute and delayed

At large concentrations of vapors or in case of direct contact with eyes may cause slight irritation, redness, lacrimation, burning sensation, pain. Contact with skin may cause itching, local redness, inflammatory state and in case of prolonged contact - dryness and flaking of skin. Inhalation of vapors at high concentrations may cause feeling of tiredness, weakness, somnolence, headache and dizziness, cough, shortness of breath. After ingestion causes nausea, vomiting with risk of aspiration into respiratory tract, leading to inflammation of lungs or pulmonary edema.

4.3 Indication of any immediate medical attention and special treatment needed

No special requirements. Apply symptomatic treatment. Provide the assisting physician with SDS.

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

<u>Suitable extinguishing media:</u> Fire fighting foam, fire extinguishing carbon dioxide, dry powders, water spray. <u>Unsuitable extinguishing media:</u> Do not use a solid water jet.

5.2 Special hazards arising from the substance or mixture

During combustion carbon dioxide and carbon monoxide are formed.

5.3 Advice for firefighters

Flammable liquid and vapour. Vapours are heavier than air and may form explosive mixtures with air. They accumulate close to the ground surface and in the lower parts of the premises. Cool containers exposed to fire from a safe distance with water spray (danger of explosion); if possible remove them from the endangered area. Wear antistatic gas-tight protective suit, self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing made of natural fabrics (cotton) or synthetic fibres, safety gloves made of nitrile/chloroprene (thickness 0.65 ± 0.1 mm, breakthrough time ≥ 480 min), nitrile (thickness 0.4 ± 0.05 mm, breakthrough time ≥ 480 min) and safety goggles protecting against drops of the liquid. Eliminate sources of ignition (extinguish open fire, announce prohibition of smoking and usage of sparking tools). Remove from the affected area unprotected persons who does not participate in removal of the failure. Avoid direct contact with the mixture. Avoid breathing vapours.

6.2 Environmental precautions

Protect from release to sewage system, surface and ground water, soil.

6.3 Methods and materials for containment and cleaning up

Protect sink basins. If possible, stop the leak (close liquid inflow, seal). Place damaged packaging in an overpack. Vapours dilute with water spray. Eliminate sources of ignition (extinguish open fire, announce prohibition of smoking and usage of sparking tools). Small amounts absorb into chemically inert binding material (sand, diatomaceous earth), transfer to tight containers and pass to disposal. Wash contaminated clothing with large amount of water.

6.4 Reference to other sections

Remove according to the recommendations listed in the section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide appropriate general and local ventilation. Keep away from heat and ignition sources. It is recommended to take special precautions during work with the mixture in order to avoid contact with eyes and skin. Do not inhale vapours. Protect from release to sewage system, water courses and soil. Do not eat, drink or smoke while handling. Wash hands during intervals and after finishing work. Take off contaminated clothing and wash it before reusing.

7.2 Conditions for safe storage, including any incompatibilities

Store in original, properly labelled, tightly closed containers; in a dry, cool, properly ventilated storage premise, equipped with explosion-proof electrical and ventilating systems, at room temperature. Keep away from sources of high temperatures, ignition sources, oxidizers. Protect from sunlight.

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7.3 Specific end use(s)

No information about the applications other than those mentioned in subsection 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Controls parameters

Component	CAS-no.	Parameter	value	unit
Naphthalene	91-20-3	WE-IOELV (8 hr)	50	mg/m^3
			10	ppm

Naphthalene			
Toxicological information	WORKERS		
Long-term	Dermal DNEL	3.57 mg/kg bw/day	
exposure – systemic effects	Inhalation DNEL	25 mg/m ³	
Long-term exposure – local effects	Inhalation DNEL	25 mg/m ³	

Ecotoxicological information	Naphthalene
PNEC aqua (freshwater)	2.4 µg/l
PNEC aqua (marine water)	2.4 μg/l
PNEC aqua (intermittent releases)	20 μg/l
PNEC STP	2.9 mg/l
PNEC sediment (freshwater)	67.2 μg/kg
PNEC sediment (marine water)	67.2 μg/kg
PNEC soil	53.3 μg/kg

8.2 Exposure controls

8.2.1 *Appropriate engineering controls*

Local exhaust ventilation eliminating vapors from emission places and general ventilation are necessary. Suction inlets of local ventilation should be placed at the height of work plane or below. Uptake ventilators of general ventilation should be placed at the top of the room and near the floor. Ventilating systems must comply with established standards because of risk of fire or explosion. Do not use the product near sources of heat and ignition. In case of inadequate ventilation wear respiratory protection.

8.2.2 Individual protective measures such as personal protective equipment

Respiratory protection: If permissible concentrations of vapors are exceeded, use respiratory protection with

particle filter marked white and labelled P2 and vapor filter marked brown and labelled

A. You can apply combined filters AP.

Skin and hands protection: Wear protective clothing made of natural fabrics (cotton) or synthetic fibres, safety

gloves made of nitrile/chloroprene (thickness 0.65 ± 0.1 mm, breakthrough time ≥ 480 min), nitrile (thickness 0.4 ± 0.05 mm, breakthrough time ≥ 480 min), fluorocaoutchouc

(thickness 0.7 ± 0.1 mm, breakthrough time ≥ 480 min).

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Eye/face protection: Not required.

Occupational hygiene: General industrial hygiene rules apply. Don't allow exceeding occupational exposure

levels. After finishing work remove contaminated clothes. Wash hands and face before work breaks. Wash entire body after finishing work. Do not drink, eat and smoke during

work.

8.2.3 Environmental exposure controls

Prevent from draining to a municipal sewage system and watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance

Yellowish liquid.

b) Odour

Solvent-like.

c) Odour threshold

No data available.

d) pH

Not determined.

e) Melting/freezing point

< -22 °C

f) Initial boiling point and boiling range

130 - 190 °C

g) Flash point

> 41 °C

h) Evaporation rate

No data available.

i) Flammability

The mixture is flammable.

j) Upper/lower flammability or explosive limits

Lower: 1.31 % vol. - for pure solvent

Upper: 14.73 % vol. - for pure solvent

k) Vapour pressure

4.3 kPa in 50 °C

1) Vapour density

No data available.

m) Relative density

0.878 - 0.883 (water = 1)

n) Solubility(ies)

Partially soluble in water. Soluble in ethanol, ethyl ether, benzene.

o) Partition coefficient: n-octanol/water

No data available.

p) Auto-ignition temperature

> 200 °C

q) Decomposition temperature

No data available.

r) Viscosity

No data available.

s) Explosive properties

Do not pose explosion hazard, however vapours of the product may form explosive mixtures with air.

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t) Oxidising properties

No data available for the mixture, however it is not expected to have oxidising properties.

9.2 Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity if stored and used according to the identified uses.

10.2 Chemical stability

Stable in standard conditions of storage and use.

10.3 Possibility of hazardous reactions

Vapours of the product may form explosive mixtures with air.

10.4 Conditions to avoid

Ignition sources, open fire.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

None identified.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

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

CAS-no	<u>Method</u>	<u>value</u>	<u>unit</u> .
64742-94-5	LDL _o – oral, rat	5	mg/kg
	LC ₅₀ – inhalation, rat	>590	mg/m^3 (4h)
	LD_{50} – skin, rabbit	>2	mg/kg
91-20-3	LD_{50} – oral, rat	490	mg/kg
	LD_{50} – oral, mouse	533	mg/kg
	64742-94-5	$\overline{64742-94-5}$ $\overline{LDL_0}$ oral, rat LC_{50} - inhalation, rat LD_{50} - skin, rabbit D_{50} - oral, rat	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Skin Irritation/Corrosivity:

Based on available data, the classification criteria are not met, however repeated exposure may cause skin dryness or cracking.

Eye Irritation/Corrosivity:

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

Sensitisation:

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

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.

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Specific Target Organ Toxicity – single exposure:

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

Specific Target Organ Toxicity – repeated exposure:

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

Aspiration hazard:

May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

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12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Component	CAS no.	Method	Value	<u>Unit</u>
Solvent naphtha (petroleum)	64742-94-5	LL ₅₀ - fish (<i>Oncorhynchus mykiss</i>)	18-25	mg/l (96h) (WAF)*
heavy arom.		LL ₅₀ - fish (<i>Brachydanio rerio</i>)	7.3	mg/l (96h) (WAF)*
		LL ₅₀ - fish (<i>Pimephales promelas</i>)	45	mg/l (96h) (OWD)**
		LE ₅₀ - invertebrates (<i>Daphnia magna</i>)	1.4-21	mg/l (48h) (WAF)*
		LE ₅₀ - invertebrates (<i>Chaetogammarus m</i>	arinus)	1 mg/l (96h) (WAF-
				marine water)*
		LI _{r50} - algae (<i>Raphidocelis subcapitata</i>)	3.7-8.3	3 mg/l (72h) (WAF)*
*- WAF method (Water Accomme	odated Fractio	n)		
**- OWD method (Oil-in-Water I	Dispersion)			
Naphthalene	91-20-3	LC ₅₀ – aquatic organisms	1	mg/l (96h)
-		LC_{50} – fish	0.12	mg/l (96h)
		EU ₅₀ – algae (<i>Daphnia magna</i>)	33	mg/l (24h)

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12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

May undergo little bioaccumulation.

Partition coefficient octanol/water: (K_{ow}): no data available for the mixture.

Bioconcentration factor (BCF): no data available for the mixture.

12.4 Mobility in soil

The product does not exhibit high mobility in soil.

12.5 Results of PBT and vPvB assessment

The mixture meets neither PBT nor vPvB criteria.

12.6 Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not dispose together with municipal waste. Do not allow contamination of watercourses. Dispose of contents/container to designated waste recipient.

Special precautions:

Dispose product and packaging off safely. Care should be taken when handling emptied containers that have not been thoroughly cleaned. Vapours of the product residues may create a flammable or explosive atmosphere inside the container. Do not cut or weld used containers unless they had been thoroughly cleaned.

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SECTION 14: TRANSPORT INFORMATION

ADR/RID, IMDG, IATA

14.1 UN number

1268

14.2 UN proper shipping name

Petroleum products, n.o.s.

14.3 Transport hazard class(es)

3

14.4 Packing group

III

14.5 Environmental hazards

Product is environmentally hazardous according to the model UN criteria. Additional labelling is required.

14.6 Special precautions for user

Always transport in closed containers that are upright and properly secured. Ensure that persons transporting the product know what to do in case of accident or spillage of the product.

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 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 (OJ EU L396 of December 30, with later amendments);

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH):

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 (OJ EU L353 of December, 31 2008, with later amendments ATP 1-7).

15.2 Chemical safety assessment

Supplier has not assessed the chemical safety of the mixture.

SECTION 16: OTHER INFORMATION

This safety data sheet has been prepared in the Ignacy Mościcki' Industrial Chemistry Research Institute on the basis of the safety data sheet for the mixture delivered by the manufacturer.

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Data for the registered substances: http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances

The information contained in this safety data sheet describes the product exclusively from the safety requirements perspective. The user is responsible for setting up the conditions for safe use of the product and bears a sole responsibility for the consequences of its incorrect use.

Text of H statements, symbols' acronyms, hazard classes and category codes used in the section 3 of this safety data sheet:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H351 Suspected of causing cancer. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

Flam. Liq. 3 Flammable liquid, Hazard Category 3. Carc. 2 Carcinogenicity, Hazard Category 2. Asp. Tox. 1 Aspiration hazard, Hazard Category 1.

Acute Tox. 4 Acute toxicity (oral, skin, inhalation), Hazard Category 4.

Aquatic Acute 1 Hazardous to aquatic environment, Acute Hazard, Category 1.

Aquatic Chronic 1 Hazardous to aquatic environment, Chronic Hazard, Category 1.

Hazardous to aquatic environment, Chronic Hazard, Category 2.

Abreviations:

IOELV Indicative Occupational Exposure Limit Values

vPvB very Persistent very Bioaccumulative. PBT Persistent, Bioaccumulative, Toxic.

LD₅₀ Lethal dose, median dose, where 50 % of test subject dies.

LC₅₀ Lethal concentration, median concentration where 50 % of test subjects dies.

 LDL_0 Lowest Dose causing lethality.

 EC_{50} The effective concentration of substance that causes 50% of the maximum response.

DNEL Derived No-Effect Level.

PNEC Predicted No Effect Concentration.
BCF Biological Concentration Factor.

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

RID International Rule for Transport of Dangerous Substances by Railway.

IMDG International Maritime Dangerous Goods Code.

IATA International Air Transport Association.

CAS Unique numerical identifier assigned to chemical substance by the Chemical Abstracts Service EC number Unique seven-digit identifier that is assigned to chemical substances for regulatory purposes

within the European Union by the regulatory authorities.

UN number Four-digit number that identify hazardous substances, and articles in the framework of

international transport.

Update: adjustment to the requirements of Regulation (EU) 2015/830; change in classification in accordance with CLP; change of legislation in Section 15