

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 28.02.2012

Version 2

Revision: 28.02.2012

1 Identification of the substance/mixture and of the company/undertaking**Product identifier****Trade name:** PLASTI DIP® FLÜSSIGGUMMI**Relevant identified uses of the substance or mixture and uses advised against** Not applicable.**Application of the substance / the preparation:**

Multifunctional rubber coating

adheres on metall, wood, glass, stone, rubber, concrete, tissue, rope, carbon, Beton, Stoff, Seil, Carbon, GRP, tissue, glass wool - insulated rubber, remains flexible

Details of the supplier of the safety data sheet**Manufacturer/Supplier:**Plasti Dip® Deutschland GmbH
Dalbergstraße 18
D-63739 AschaffenburgTel.: +49 (0) 6021-58399-0
Internet: www.plastidip.de**Further information obtainable from:** Geschäftsführung

E-Mail: info@plastidip.de

Emergency telephone number: Poison Control Center Mainz: +49 (0) 6131-19240 (24h)**2 Hazards identification****Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Irritant

R38: Irritating to skin.



F; Highly flammable

R11: Highly flammable.



N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms GHS02, GHS07, GHS09**Signal word** Danger**Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H411 Toxic to aquatic life with long lasting effects.

Keep out of the reach of children

Precautionary statements

P262 Do not get in eyes, on skin, or on clothing.

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P260 Do not breathe vapours.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P331 Do NOT induce vomiting.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.


























Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures**Description:**

Mixture of substances listed below with nonhazardous additions.
 Solvent naphtha: benzene content < 0,1%

Dangerous components:

CAS: 64742-89-8	Solvent naphtha (petroleum), light aliph.	25-50%
EINECS: 265-192-2	 Xn R65	
	 Asp. Tox. 1, H304	
CAS: 142-82-5	heptane	10-25%
EINECS: 205-563-8	 Xn R65	
	 Xi R38	
	 F R11	
	 N R50/53	
	 R67	
	 Flam. Liq. 2, H225	
	 Asp. Tox. 1, H304	
	 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	 Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 1330-20-7	xylene	10-25%
EINECS: 215-535-7	 Xn R20/21	
	 Xi R38	
	 R10	
	 Flam. Liq. 3, H226	
	 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 78-93-3	butanone	2.5-10%
EINECS: 201-159-0	 Xi R36	
	 F R11	
	 R66-67	
	 Flam. Liq. 2, H225	
	 Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 100-41-4	ethylbenzene	2.5-10%
EINECS: 202-849-4	 Xn R20	
	 F R11	
	 Flam. Liq. 2, H225	
	 Acute Tox. 4, H332	

Additional information: a) For the wording of the listed risk phrases refer to section 16.

4 First aid measures

Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately rinse with water.

Remove and wash contaminated clothing.

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After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting.

Information for doctor:**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

If swallowed or in case of vomiting, danger of entering the lungs.

5 Firefighting measures

Extinguishing media**Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet**Special hazards arising from the substance or mixture**

Can form explosive gas-air mixtures.

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Advice for firefighters**Protective equipment:** Wear self-contained respiratory protective device.**Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

Ensure adequate ventilation.

Environmental precautions: Do not allow product to reach sewage system or any water course.**Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:**Precautions for safe handling**

Keep receptacles tightly sealed.

Use solvent-proof equipment.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Protect from heat.

Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Storerooms must be well ventilated.

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Keep container tightly closed.

Information about storage in one common storage facility:

Storage in the near of other chemicals or products has to be verified.

Further information about storage conditions: Protect from heat and direct sunlight.**Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.**Control parameters****Ingredients with limit values that require monitoring at the workplace:****142-82-5 heptane**

WEL (Great Britain) Long-term value: 500 ppm

IOELV (EU) Long-term value: 2085 mg/m³, 500 ppm**1330-20-7 xylene**WEL (Great Britain) Short-term value: 441 mg/m³, 100 ppmLong-term value: 220 mg/m³, 50 ppm

Sk; BMGV

IOELV (EU) Short-term value: 442 mg/m³, 100 ppmLong-term value: 221 mg/m³, 50 ppm

Skin

78-93-3 butanoneWEL (Great Britain) Short-term value: 899 mg/m³, 300 ppmLong-term value: 600 mg/m³, 200 ppm

Sk

IOELV (EU) Short-term value: 900 mg/m³, 300 ppmLong-term value: 600 mg/m³, 200 ppm**100-41-4 ethylbenzene**WEL (Great Britain) Short-term value: 552 mg/m³, 125 ppmLong-term value: 441 mg/m³, 100 ppmIOELV (EU) Short-term value: 884 mg/m³, 200 ppmLong-term value: 442 mg/m³, 100 ppm

Skin

DNELs Not determined.**Additional information:** The lists valid during the making were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A

Protection of hands:

Wear gloves for the protection against chemical hazards according to EN 374.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Nitrile: Material thickness approximately 1.5 mm; min breakthrough time > 120

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing

Limitation and supervision of exposure into the environment

See section 6 and 12 for further information.

9 Physical and chemical properties**Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Fluid
Colour:	Different according to colouring
Odour:	Solvent-like
Odour threshold:	Not determined.
pH-value:	Not determined.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	79 - 141°C

Flash point: -23°C

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 215°C

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower:	0.6 Vol % (Naphtha)
Upper:	7.0 Vol % (Naphtha)

Vapour pressure at 20°C: 104 hPa

Density: Not determined.

Relative density Not determined.

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with water:

Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

Other information No further relevant information available.

10 Stability and reactivity**Reactivity****Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

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Possibility of hazardous reactions No dangerous reactions known.**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** No dangerous decomposition products known.**Additional information:** In case of thermal decomposition irritating gases may occur.

11 Toxicological information

Information on toxicological effects**Primary irritant effect:****On the skin:** Irritant to skin and mucous membranes.**Sensitization:** No sensitizing effects known.**Other information (about experimental toxicology):**

Solvent vapors can lead to health problems above the occupational exposure limit, such as irritation of the mucous membranes and respiratory system, liver, kidneys and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscle weakness, drowsiness and in extreme cases, unconsciousness. Solvents may cause these effects by skin absorption. Prolonged or repeated contact with product may cause degreasing of the skin and can cause non-allergic contact damage and / or absorption. Splashes may cause irritation and reversible damage of the eyes.

Additional toxicological information:

The classification was carried out with calculation methods for preparations according to Regulation (EC) 1272/2008.

No toxicological data available.

12 Ecological information

Persistence and degradability No further relevant information available.**Behaviour in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Ecotoxicological effects:****Remark:** Toxic for fish**Additional ecological information:****General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.

13 Disposal considerations

Waste treatment methods**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:**Recommendation:**

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

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14 Transport information

UN-Number
ADR, IMDG, IATA UN1139
UN proper shipping name
ADR COATING SOLUTION, ENVIRONMENTALLY HAZARDOUS, special provision 640D
IMDG COATING SOLUTION (HEPTANES), MARINE POLLUTANT
IATA COATING SOLUTION
Transport hazard class(es)
ADR



Class 3 Flammable liquids.
Label 3

IMDG



Class 3 Flammable liquids.
Label 3

IATA



Class 3 Flammable liquids.
Label 3
Packing group
ADR, IMDG, IATA II
Environmental hazards: Product contains environmentally hazardous substances: heptane
Marine pollutant: Yes
Symbol (fish and tree)
Special marking (ADR): Symbol (fish and tree)
Special precautions for user Warning: Flammable liquids.
Danger code (Kemler): 33
EMS Number: F-E,S-E
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:

ADR
Limited quantities (LQ) 5L
Tunnel restriction code D/E

15 Regulatory information

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

National regulations:

Information about limitation of use: No further information.

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Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

- R10 Flammable.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R20/21 Harmful by inhalation and in contact with skin.
- R36 Irritating to eyes.
- R38 Irritating to skin.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
DNEL: Derived No-Effect Level (REACH)

* Data compared to the previous version altered.

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