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MSDS No.153555Reviewed on 18.05.2006
V001.3**1 Identification of substance****Product details**Trade name: **9050 Primer****Distributor:**Devtec Technological Adhesives Ltd
19 Alexander Yanai St. Petach-Tiqva Israel
Tel: 972-3-9306694
Fax: 972-3-9043717**Utilization:** Primer, containing solvents.**2 Composition/Data on components:****Chemical characterisation****Description:** Prepolymer based on diphenylmethanediisocyanate / isomers and homologues**Dangerous components:**

CAS NO.	EINECS	Index No.	Content %	Index	R-phrases
142-82-5 n-Heptane	205-563-8	601-008-00-2	80-100 %	F - Highly flammable Xn - Harmful Xi - Irritant N - Dangerous for the environment	R11 R65 R38 R50/R53 R67

3 Hazards identification

F;R11 Highly flammable.
Xi;R38 Irritating to skin.
Xn;R65 Harmful: may cause lung damage if swallowed.
N; R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects
in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.

4 First aid measures**General information**

In case of persisting symptoms, consult a doctor. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. If the patient is likely to become unconscious, place and transport in stable sideways position.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours is necessary.

After inhalation

Supply fresh air. If required, provide artificial respiration. Consult a doctor if symptoms persist.

After skin contact

Instantly wash with water and soap and rinse thoroughly for several minutes. Consult a doctor if irritation persists.

After eye contact

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

After swallowing

Rinse mouth, drink 1-2 glasses of water, DO NOT induce vomiting, Consult a doctor.

5 **Fire fighting measures**

Combustion behaviour:

Solvent containing flammable product. In case of fire toxic gases are released.

Suitable extinguishing media:

Alcohol-resistant foam, extinguishing powder, carbon dioxide

Unsuitable extinguishing media ,must not be used for safety reasons:

Water with a full water jet.

Special protection equipment for fire-fighters:

Wear self-contained breathing apparatus. Wear protective clothing.

Special hazards by the product itself:

Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

Hazardous combustion products:

Oxides of carbon, oxides of nitrogen, irritating organic vapours.

Additional information:

In case of fire, keep endangered containers cool with water spray.

6 **Accidental release measures**

Personal precautions:

Remove sources of ignition.
Ensure adequate ventilation.
Avoid contact with skin, eyes and clothing.

Environmental precautions:

Prevent material from reaching drains or open waters.

Clean-up Method:

Absorb with liquid-binding material (sand, universal binders).
Store in a partly filled, closed container until disposal.

7 **Handling and storage**

Handling

Information for safe handling:

Avoid contact with eyes, skin and clothing.
Keep away from sources of heat and ignition - no smoking.
Vapours should be extracted to avoid inhalation
Use only in well-ventilated areas.

Storage

Requirements to be met by store rooms and containers:

Store in a cool, dry place .
Do not store near sources of heat or ignition, or reactive materials.

Further information about storage conditions:

Keep containers tightly closed in cool and well ventilated area. Store at or below 49°C (120°F).

Incompatible products

Refer to section 10.

8 Exposure controls and personal protection

Components with specific control parameters for workplace:

Valid for : Great Britain

Basis :UK EH40 WELs

CAS No.	ppm	mg/m ³	Type	Category	Remarks
heptane [and isomers] 142-82-5	500	2.085	Time Weighted Average (TWA).		EU-2000/39/EC
	500		Time Weighted Average (TWA).		EH40 WEL
				Listed.	UKCOSSTD

Personal protective equipment

Respiratory protection

Do not inhale vapors and fumes.

Use only in well-ventilated areas.

Use approved respirator if exposure limits are exceeded. Observe OSHA regulations for respiratory use (29 CFR 1910.134)

Hand protection:

The use of chemical resistant gloves such as Nitrile (NBR) are recommended

Please note that the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced

Eye protection:

Wear protective glasses with side-shields.

Body protection:

Use chemical resistant protective clothing.

General protection and hygiene measures:

Good industrial hygiene practices should be observed

Avoid contact with eyes and skin.

Do not eat, drink or smoke during work time.

Protective clothes : (Pictograms)



9 Physical and chemical properties:

Form: Liquid
Colour: colorless
Smell: pungent

	Value/Range	
pH-value	not applicable	
Boiling point/Boiling range	96 - 98°C (204.8- 208.4 F)	
Flash point	-2°C (28.4F)	
Vapor pressure	35 mm/Hg	at 20°C (68F)
Density	0.68g/cm ³	
Solubility (qualitative)	not miscible	(Solvent: water)
Evaporation rate:	2.7	(Ether = 1)
Vapor density	3.4	(Air = 1)
VOC content	100 % 680g/liter	(As defined in the Council Directive 1999/13/EC)

10 Stability and reactivity**Stability:**

Stable under normal conditions of storage and use.

Conditions to avoid:

Heat, fumes, sparks and other sources of ignition.

Materials to avoid:

Acids, Strong oxidizing agent.

Hazardous decomposition products:

No dangerous decomposition products when stored and handled correctly.

11 Toxicological information**Oral toxicity:**

Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema

Inhalative toxicity:

May cause headache and dizziness.

Skin irritation:

Irritating to the skin.

Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.

Eye irritation:

May cause mild irritation to the eyes

12 Ecological information:**Ecotoxicity:**

Very toxic to aquatic organisms

May cause long-term adverse effects in the aquatic environment

Do not empty into drains / surface water / ground water.

Mobility:

The product evaporates readily.

Persistence and Biodegradability:

No data available.

Bioaccumulative potential:

No data available

13 Disposal considerations**Product****Disposal methods:**

Dispose of according to regulations.

Waste code (EWC):

14 06 03 - other solvents and solvent mixtures.

Packaging**Disposal methods:**

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Disposal must be made according to official regulations.

14 Transport information**Road transport ADR:**

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1206
Label:	3
Technical name:	HEPTANES (solution)

Railroad transport RID:

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1206
Label:	3
Technical name:	HEPTANES (solution)

Inland water transport ADN:

Class:	3
Packaging group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1206
Label:	3
Technical name:	HEPTANES (solution)

Marine transport IMDG:

Class:	3
Packaging group:	II
UN no.:	1206
Label:	3
EmS:	F-E ,S-D
Seawater pollutant:	-
Proper shipping name:	HEPTANES (solution)

Air transport IATA:

Class:	3
Packaging group:	II
Packaging instructions (passenger)	305
Packaging instructions (cargo)	307
UN no.:	1206
Label:	3
Proper shipping name:	Heptanes (solution)

15 Regulatory information

Classification/Labelling regulations:

Designation according to EC guidelines:

Labelling in accordance with Annex I of directive 67/548/EEC and its amendments and adaptations:

Hazard symbols :

F - Highly flammable

Xn – Harmful

N - Dangerous for the environment



Contains:

n-Heptane

Risk phrases:

R11 Highly flammable

R38 Irritating to skin.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S16 Keep away from sources of ignition - No smoking.

S23 Do not breathe vapour.

S28 After contact with skin, wash immediately with plenty of water.

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

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16 Other information:

Full text of the R-phrases indicated by codes in this safety data sheet. The labeling of the product is indicated in Section 15.

R11 Highly flammable.

R38 Irritating to skin.

R50 Very toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

Further information:

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 99/45/EC.

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.