

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** *Dekapren Plastigum 77 (Dipro 1082)*
- **Article number:** *DK. NR. 2101*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** *Glue/ Sising agent*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Dekalin, brand of Diffutherm B.V.
Smaragdweg 50
NL-5527 LB Hapert
Tel: +31 497 551 080
Fax: +31 497 551 088
E-mail: info@dekalin.nl
- **Further information obtainable from:** *Product safety Department*
- **1.4 Emergency telephone number:**
Tel: +31 497 551 080 (mo-fr/8.00-16.30)
National Poisons Information Center (NVIC)
TEL: +31 (0)30-2748888
Only for the purpose of informing medical personnel in cases of acute intoxications

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02

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



GHS08

Repr. 2 H361d Suspected of damaging the unborn child.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



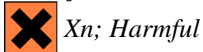
GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

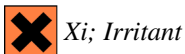
STOT SE 3 H336 May cause drowsiness or dizziness.

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



Xn; Harmful

R48/20-63: Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child.



Xi; Irritant

R36: Irritating to eyes.



F; Highly flammable

(Contd. on page 2)

Trade name: Dekapren Plastigum 77 (Dipro 1082)

(Contd. of page 1)

R11: *Highly flammable.*

R66-67: *Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.*

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Has a narcotising effect.

· **Classification system:**

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

· **2.2 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

GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

Toluene

Acetone

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

· **Precautionary statements**

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

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** *Mixture of substances listed below with additions.*

(Contd. on page 3)

Trade name: Dekapren Plastigum 77 (Dipro 1082)

(Contd. of page 2)

| · Dangerous components: | | |
|---|---|----------|
| CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49 | Acetone ☒ Xi R36; ☒ F R11 R66-67 ☒ Flam. Liq. 2, H225; ☒ Eye Irrit. 2, H319; STOT SE 3, H336 | 50-<100% |
| CAS: 108-88-3 EINECS: 203-625-9 Reg.nr.: 01-2119471310-51 | Toluene ☒ Xn R48/20-63-65; ☒ Xi R38; ☒ F R11 R67 Repr. Cat. 3 ☒ Flam. Liq. 2, H225; ☒ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ☒ Skin Irrit. 2, H315; STOT SE 3, H336 | 10-<25% |

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air or oxygen; call for doctor.
- **After skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**
Water
Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mount respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin, eyes and clothes.
- **6.2 Environmental precautions:**
Prevent seepage into sewage system, workpits and cellars.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

(Contd. on page 4)

Trade name: Dekapren Plastigum 77 (Dipro 1082)

See Section 13 for disposal information.

(Contd. of page 3)

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Use only in well ventilated areas.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

67-64-1 Acetone

| | |
|-----|---|
| WEL | Short-term value: 3620 mg/m ³ , 1500 ppm |
| | Long-term value: 1210 mg/m ³ , 500 ppm |

108-88-3 Toluene

| | |
|-----|---|
| WEL | Short-term value: 384 mg/m ³ , 100 ppm |
| | Long-term value: 191 mg/m ³ , 50 ppm |
| Sk | |

· DNELs

67-64-1 Acetone

| | | |
|------------|--------------------------------------|---------------------------------|
| Dermal | Long-term - systemic effects, worker | 186 mg/kg bw/day (Worker) |
| Inhalative | Acute - Local effects, worker | 2420 mg/m ³ (Worker) |
| | Long-term - systemic effects, worker | 1210 mg/m ³ (Worker) |

108-88-3 Toluene

| | | |
|------------|--|---|
| Oral | Long-term - systemic effects, general population | 8.13 mg/kg bw/day (General Population) |
| Dermal | Long-term - systemic effects, worker | 384 mg/kg bw/day (Worker) |
| Inhalative | Acute - Local effects, worker | 384 mg/m ³ (Worker) |
| | Acute - local effects, general population | 226 mg/m ³ (General Population) |
| | Acute - systemic effects, general population | 226 mg/m ³ (General Population) |
| | Acute - systemic effects, worker | 384 mg/m ³ (Worker) |
| | Long-term - local effects, worker | 192 mg/m ³ (Worker) |
| | Long-term - systemic effects, general population | 56.5 mg/m ³ (General Population) |
| | Long-term - systemic effects, worker | 192 mg/m ³ (Worker) |

· PNECs

67-64-1 Acetone

| | |
|------------------------------------|---------------------------|
| Aquatic compartment - marine water | 1.06 mg/L (not specified) |
|------------------------------------|---------------------------|

(Contd. on page 5)

Trade name: Dekapren Plastigum 77 (Dipro 1082)

(Contd. of page 4)

| | |
|--|------------------------------------|
| Aquatic compartment - sediment in freshwater | 30.4 mg/kg sed dw (not specified) |
| Aquatic compartment - sediment in marine water | 3.04 mg/kg sed dw (not specified) |
| Terrestrial compartment - soil | 29.5 mg/kg dw (not specified) |
| 108-88-3 Toluene | |
| Aquatic compartment - freshwater | 0.68 mg/L (not specified) |
| Aquatic compartment - sediment in freshwater | 16.39 mg/kg sed dw (not specified) |
| Sewage treatment plant | 13.61 mg/L (not specified) |
| Terrestrial compartment - soil | 2.89 mg/kg dw (not specified) |

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 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.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

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 AX

· **Protection of hands:**



Protective gloves

· **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.

Butyl rubber

Fluorocarbon rubber (Viton)

Recommended thickness of the material: $\geq 0,12$ mm

· **Penetration time of glove material**

20 min.

> 480 min.

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

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Use protective suit.

GB

(Contd. on page 6)

Trade name: Dekapren Plastigum 77 (Dipro 1082)

(Contd. of page 5)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

| | |
|--------------------|-----------------|
| · Form: | Fluid |
| · Colour: | Transparent |
| · Odour: | Characteristic |
| · Odour threshold: | Not determined. |

· pH-value: Not determined.

· Change in condition

| | |
|--------------------------------|---------------|
| · Melting point/Melting range: | Undetermined. |
| · Boiling point/Boiling range: | 56 °C |

· Flash point: -17 °C (DIN 53213)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 465 °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: | 1.2 Vol % |
| · Upper: | 13.0 Vol % |

· Vapour pressure At 20 °C: 240 hPa

· Vapour pressure At 50 °C: 828 hPa

· Density At 20 °C: 0.86 g/cm³ (DIN 51757)

· 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 At 20 °C: | 458 s (ISO 6 mm) |

· Solvent content:

· Organic solvents: 81.5 %

· Solids content: 18.6 % (DIN 53216)

· 9.2 Other information: No further relevant information available.

· VOC (EU): 81.50 %

· VOC (EU): 700.9 g/l

· VOCV: 81.50 %

SECTION 10: Stability and reactivity

· 10.1 Reactivity

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions: No dangerous reactions known.

(Contd. on page 7)

Trade name: Dekapren Plastigum 77 (Dipro 1082)

(Contd. of page 6)

- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

| | | |
|------------|----------|----------|
| Inhalative | LC50/4 h | 141 mg/l |
|------------|----------|----------|

67-64-1 Acetone

| | | |
|--------|-----------|---|
| Oral | LD50 | 5800 mg/kg (RAT) |
| Dermal | LD50 | 20000 mg/kg (RABBIT) |
| | LC50/96 h | 5540 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS) |

108-88-3 Toluene

| | | |
|------------|-----------|--|
| Oral | LD50 | 5580 mg/kg (RAT) |
| Dermal | LD50 | >5000 mg/kg (RABBIT) |
| Inhalative | LC50/4 h | 28.1 mg/l (RAT) |
| | LC50/96 h | 5.5 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitisation:** No sensitising effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
Repr. 2

SECTION 12: Ecological information

- **12.1 Toxicity**

· **Aquatic toxicity:**

67-64-1 Acetone

| | |
|-----------|---------------------------|
| EC50/48 h | 8800 mg/l (DAPHNIA MAGNA) |
|-----------|---------------------------|

108-88-3 Toluene

| | |
|-----------|-------------------------------------|
| EC50/48 h | 3.8 mg/l (DAPHNIA MAGNA) |
| EC50/72 h | 12.5 mg/l (ALGAE) |
| IC50/72 h | 12 mg/l (SELENASTRUM CAPRICORNUTUM) |

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **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.
Danger to drinking water if even small quantities leak into the ground.

(Contd. on page 8)

Trade name: Dekapren Plastigum 77 (Dipro 1082)

(Contd. of page 7)

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

SECTION 13: Disposal considerations


- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Dispose of as dangerous waste.

- **European waste catalogue**

| | |
|-----------|---|
| 08 00 00 | WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS |
| 08 04 00 | wastes from MFSU of adhesives and sealants (including waterproofing products) |
| 08 04 09* | waste adhesives and sealants containing organic solvents or other dangerous substances |

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

| | |
|--|--|
| · 14.1 UN-Number · ADR, IMDG, IATA | UN1133 |
| · 14.2 UN proper shipping name · ADR · IMDG, IATA | 1133 ADHESIVES, special provision 640D ADHESIVES |
| · 14.3 Transport hazard class(es) · ADR, IMDG, IATA | |
|  | |
| · Class · Label | 3 Flammable liquids. 3 |
| · 14.4 Packing group · ADR, IMDG, IATA | II |
| · 14.5 Environmental hazards: · Marine pollutant: | No |
| · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: | Warning: Flammable liquids. 33 F-E,S-D |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | Transport classification ADR/IMDG is based on packaging >30ltr(IMDG), <450ltr(ADR). For other packaging units different classification can apply. |

(Contd. on page 9)

Trade name: Dekapren Plastigum 77 (Dipro 1082)

(Contd. of page 8)

| | |
|-----------------------------------|--|
| · ADR | |
| · Limited quantities (LQ) | 5L |
| · Excepted quantities (EQ) | Code: E2 |
| | Maximum net quantity per inner packaging: 30 ml |
| | Maximum net quantity per outer packaging: 500 ml |
| · Transport category | 2 |
| · Tunnel restriction code | D/E |
| · Remarks: | PROTECT AGAINST FROST! |
| <hr/> | |
| · IMDG | |
| · Limited quantities (LQ) | 5L |
| · Excepted quantities (EQ) | Code: E2 |
| | Maximum net quantity per inner packaging: 30 ml |
| | Maximum net quantity per outer packaging: 500 ml |
| · Remarks: | PROTECT AGAINST FROST ! |
| <hr/> | |
| · IATA | |
| · Remarks: | PROTECT AGAINST FROST |
| <hr/> | |
| · UN "Model Regulation": | UN1133, ADHESIVES, special provision 640D, 3, II |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** *Danger*

- **Hazard-determining components of labelling:**

Toluene

Acetone

- **Hazard statements**

H225 *Highly flammable liquid and vapour.*

H315 *Causes skin irritation.*

H319 *Causes serious eye irritation.*

H361d *Suspected of damaging the unborn child.*

H336 *May cause drowsiness or dizziness.*

H373 *May cause damage to organs through prolonged or repeated exposure.*

- **Precautionary statements**

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

P243 *Take precautionary measures against static discharge.*

P280 *Wear protective gloves/protective clothing/eye protection.*

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

P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

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

P405 *Store locked up.*

P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

(Contd. on page 10)

Trade name: Dekapren Plastigum 77 (Dipro 1082)

(Contd. of page 9)

· **National regulations:**

· **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| NK | 81.5 |

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

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

SECTION 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.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

R11 Highly flammable.

R36 Irritating to eyes.

R38 Irritating to skin.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63 Possible risk of harm to the unborn child.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

· **Department issuing MSDS:** Product safety department.

· **Contact:** info@dekalin.nl

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1