

ANKEL VEGYIPARI Kft.

H-2441, Százhalombatta Pf. 34.

Phone.: (36) 06-23-350-030

Material Safety Data Sheet

1907/2006/EK és a 44/2000. (XII.27.) EüM directive

Date of issue: 2008.10.27

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1 Identification of product/preparation:

Name: DULA-C

CAS Number: 68512-78-7

EINECS-Number: 270-988-8

EU-Number: 649-334-00-4

Reference number(Reach pre-registered number):05-2114576415-43-0000

1.2 Consumption of product:

Solvent based, cold cleaner and degreaser composition, paint thinner, paint

1.3 Identification of the company

Name of the company: Ankel Vegyipari Kft.

Address, phone, fax: 2441. Százhalombatta, Pf.34. 23-350-030, 23-350-031

Name of the dealer company: Ankel Kft.

Address, phone, fax: 2440 Százhalombatta Fogoly u. 14.tel.: 06-23-350-030

1.4 Urgent phone number:

Ankel Vegyipari Kft. Százhalombatta, Pf. 34.

Phone/fax: (36) 06-23-350-030, 06-23-350-031

ETTSZ:

Országos Kémiai Biztonsági Intézet

Egészségügyi Toxikológiai és Tájékoztató Szolgálat

1096 Budapest, Nagyvárad tér 2.

Tel.: 06-80-201-199

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical characterization: Naphtha(petroleum) heavy, hydrotreated 90-95%

CAS NO.:64742-48-9 EC NO.:05-21145764515-43-0000

Benzol:<0,1%

TOLUOL:< 0,1%

Lauril-alcohol 5-10% CAS NO.:112-53-8 EC NO.:203-982-0

3. POSSIBLE HAZARDS IDENTIFICATION OF THE PREPARATION:

According to the chemical safety 2000. XXV. Law and with the 33/2004. (IV.26.)

ESZCSM directive modified 44/2000. (XII.27.) directive the product classification of hazards:

Designation: Xn harmful, R65-66-52
S 2-23-24-62

Special information on human safety: May cause lung damage if swallowed. In case of repeated exposure it can cause desiccation of the skin. Long inhalation of steam cause dizziness and sleepiness.

Special information on environmental safety: Harmful to water organization.

Designation: Harmful Xn,

R: 65: Harmful: May cause lung damage if swallowed
66: Repeated exposure may cause skin dryness or cracking
52 Harmful to water organization

S: 2: Do not give to children
23: Do not breathe vapour
24: Avoid contact with skin
62: If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label

4. FIRST AND MEASURES

- General information: In all case of doubt seek medical attention.
- Inhalation: Take out the injured to the fresh air, loosen the clothes. In case of hampered respiration kiss of life. Cause of blackout use stable lateral position. Call a doctor to the place of accident.
- Skin contact: remove drenched clothing, wash skin with soap or water.
- Eye contact: Rinse thoroughly with clean, fresh water for at least 10-15 minutes, holding the eyelids apart and seek medical advice if necessary.
- Ingestion: Obtain medical attention if necessary. Give water and medical aid. Do NOT induce vomiting if the person is in shock.

5. FIRE-FIGHTING MEASURES:

- Extinguishing materials: Foam, dry powder, CO₂.
- For safety reasons inappropriate extinguishing methods: Water
- Special hazards caused by the product, its combustion products or resulting gas: CO₂, CO, carbohydrates
- Special life support system: Isolation breathing machine. Protective clothing.

6. ACCIDENTAL RELEASE MEASURES:

- Human safety:

Wear protective clothing. Take away undue people.

- Environmental safety:

Do not allow to enter drains or water. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

- pollution immunization methods:

Gas spilling: Inform fire service. Dissolve igniter points.

Flammable liquid: Inform fire service. Dissolve igniter points.

Collect spillage with non-combustible absorbent materials, e.g. vermiculite, sand. Take away the polluted material according to the 13. point, as a waste material.

7. HANDLING AND STORAGE:

7.1 Handling:

Technical provision: Do not eat, drink or smoke while handling the product. Avoid prolonged skin contact. Keep the product in containers of the same material as the original one. Comply with the health and safety at work laws.

7.2 Storage:

Use anti-explosive materials conforming with applicable regulations. Prevent any build-up of static electricity. Store away from all sources of ignition and heat. Containers and equipments must be earthed in order to prevent sparks due to static electricity. Use only hydrocarbon resistant containers, joints, pipe-lines. Packaging materials must be steel, stainless steel materials. Containers which are opened must be carefully closed and kept upright to prevent leakage. Do not expose to strong heat or direct sun light.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

8.1 Exposure Controls:

Number 1. appendix of 25/2000. (IX.30.) EüM-SzCsM directive do not contain. Occupational exposure limit for this product.

8.2 Exposure controls:

8.2.1. Personal protection measures:

8.2.1.1. Inhalation protection:

- Use this product in a well-ventilated atmosphere with explosion-proof equipment
- Gas mask – Clean the polluted air before inhalation. Do not use gas mask in a death-trap and in a deoxygenation atmosphere.
- An EN 141 regulation write down point for point the types of gas filters.
- A type: Certain organic products steam against above 65°C, according to the manufacturer definition.
- Breathing Apparatus– Provide fresh air from an independent resource. Use gas mask in a death-trap and in a deoxygenation atmosphere either.
- Provide ventilation to ensure the appropriate limits.

8.2.1.2 Hand protection:

Impermeable hydrocarbon-proof gloves

An EN 240 regulation (1) write down the general regulation of protection gloves.

The following regulations include the examination methods:

Penetration EN 374-2 (2)
Leakage EN 374-3 (3)
Degradation The examination method is under development.

8.2.1.3. Eye protection:

The eye protection is according to the EN 166 regulation.
Use safety eyewear designed to protect against splashing of chemical liquids if necessary.

8.2.1.4. Skin protection:

Protective clothing: Resist solvent.
Concerning regulation to protective clothing:
EN 465 (1) – 4th type, EN 466/1 (2) – 3rd type or EN 467(3).
It is occupied about protective clothing and chemical cabins.
EN 369(4), EN 463(5) and EN 464 (6) regulations write down those examination methods, which are define the protective clothing resistance

8.2.2 Enviromental exposure control:

1. EU (2000) A 23.10.2000, 2000/60/EC directive
Official Journal Of the European Communities, No L327, 22.12.2000.
EU (2000) A 17.07.2000 directive, 96/61/EC directive 15. article (2000/479/EC).
Official Journal of the European Communities, No L192, 28.07.2000
EU (1999) 11.03.2000, 1999/13/EC directive. Official Journal of the European Communities, No L85, 29.03.1999.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information:

Physical state: clean white liquid
Colour: Colourless
Odour: Characteristic of petroleum solvent

9.2 Flash point: min. 61 °C (PM)

Boiling point: 180-220°C
Vapour pressure: 1 mbar
Specific gravity: 0,78-0,80g/cm³ (15°C)
Solubility in water: <1g/l
PH:-
Viscosity: 1,3mm²/s
Flammability limit lower: 0,6 %
Flammability limit upper: 1,5 %
Oxidation: no oxidation
Flash point: 250°C
Disorganization temperature: >400°C
Steam brush: >3 (air=1)
Evaporation rate: max.290 (É=1) DIN 53170

Hazardous decomposition product:-
Danger reaction:
Materials and situations to be avoided: With a high oxygen content product

9.3. Other information:

Index of refraction	20°C-on	DIN 51423-2	1.430 – 1.437
Evaporation Number	E=1	DIN 53170	max. 290
Mechanical pollution	Vizual		exempt
Water	Vizual		exempt

10. STABILITY AND REACTIVITY:

The product is stable in normal temperature and pressure.

10.1 Materials to be avoided:

High temperature, fire.

10.2. Avoid the following materials:

Full of oxygen product.

10.3. Hazardous decomposition product:

No special in normal temperature storage.

11. TOXICOLOGICAL INFORMATION:

Irritation effect:: Inhalation:
Skin: X
Eye: X
Ingestion: X

Acute toxicity: LD50 oral(rat):5000mg/kg
LD50 dermal(rabbit):3160mg/kg

Irritation: No irritation

Subchronic toxicity: NOAEL: inh(rat, 12 weeks):300ppm
LOAEL: inh(rat, 12 weeks):500ppm

No mutagenic

No carcinogenic

No reproduction toxicity

12. ECOLOGICAL INFORMATION:

12.1. Ecological toxication:

Chemical oxygen demand:3500

Effect on environment: Poison: LC₅₀/96h 100-10 mg/lous to water organism

Effect on atmosphere: It does not include dangerous product to ozone
(Federal Clean Air Act 1990)

LC 50/96 trout, mg/l:>35

Daphnia magna: LC50/48:10mg/l
Selenasstrum capricornutum EC50:260mg/L
Azobacter agila: EC50/48:>1000mg/L
Pssseudomonas putida EC50/48:>1000 mg/L
PCB, PCT contain: exempt
Sulfur: Exempt
Arzen: Exempt
Heavy metal: It does not include

12.2 Mobilitation:

- **Known or foresee dispersion in the enviromental section:**
Easily evaporate from the soil and water. Half life 2 hours.
- **External voltage:**
No data.
- **adsorption/desorption:**
If it is reach the subsoil the soluble komponent easily spread. The bigger molekule weigh carbohydrogens absorben in the soil.

12.3 Decomposition:

BOD5/COD:0,54 biodegreable

12.4 Bioaccumulation ability:

logK_{ow}: 2,1-6
BCF: No data.

12.5 Other ecological information:

Effect to atmosphere: It does not include hazardous combinations to ozon layer.
(Federal Clean Air Act 1990)

13. DISPOSAL CONSIDERATIONS:

Collect spillage with non-combustible absorbent materials, e.g.vemiculite, sand Take away the polluted product in containers.

Note:

Concerning law to transportation:

- 2000. XLIII. Law about waste processing
- With 91/156/EGK directive modified75/442/EGK directive about waste
- 94/3 EK decision 75/442/EGK directive 1. article a., point waste note
- 96/350/EK decision 75/442/EGK directive II/A és II/B
- Council 97/C-76/01 decision about waste processing communal strategy.

14. TRANSPORT INFORMATION

UN number:1300
Class: ADR/RID:3
Shipping data:

Public road ADR:3.F1.III
Railway RID:3.F1.III
River transport: ADN:n.a.
Rajna transport: ADNR:n.a.
Air transport: ICAO IATA:n.a.
Sea transport: IMDG:n.a.

15. REGULATION INFORMATION:

Product name:DULA-C

EINECS:265-150-3

EU-Index:649-327-00-6

Regulation information: Exposure limit: MK:
The beztol content of the product is under 0,1% ÁK:300 mg/m³
According to the Hungarian and EU regulation Law CK:800 mg/³
it is not carcinogen.

R: 65: Harmful: May cause lung damage if swallowed
66: Repeated exposure may cause skin drynes or cracking
52: Harmful to water organization

S: 2: Do not give to children
23: Do not breath vapour
24: Avoid contact with skin
62: If swallowed, do not induce vomiting, seek medical advice

immediately and show this container or label

16. OTHER INFORMATION

Other necessary information:

The data sheet printig company:

Ankel Vegyipari Kft.
H-2441 Százhalombatta Pf.34.
Phone: (36) 06-23-350-030
Fax: (36) 06-23-350-031

Used abbreviations:

EINECS: Release product Eoupean Note

RID/ADR: Hazardous Product International Railway/Public road European Agreement

ICAO IATA: International Air Transport Agreement

IMDG: Inernational Sea Transport Agreement

ADN: Internal River Transport Agreement

Rewieved:

The information is based on our best knowledge to help the transportation and handling of this product..It is always the responsibility of the user to take all the necessary steps in order to fulfil the demands laid down in the local rules and legislation. The product is not to be used for other purposes than those specified under section I. without first obtaining written handling instructions. The information in this data sheet is meant as a description of the safety requirements for our product, it is not to be considered as a guarantee of the products properties.