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Safety data sheet

	acc	ording to 1907/2006/EC, Art	ticle 31
Printing date 04.09.2015	5	Version number 4	Revision: 04.09.2015
SECTION 1: Ide	entification of	of the substance/mixture a	nd of the company/undertaking
· 1.1 Product identifie	er		
• Trade name: <u>CARD</u>	DEA UNIVERS	SAL THINNER 30 (SLOW) - 1	<u>L</u>
No further relevant	ied uses of the information ave	substance or mixture and uses ailable. mixture Thinner, Diluent	advised against
• 1.3 Details of the su • Manufacturer/Supp Manufacturer: Kans Ankara Asfalti 25. K TR-35730 Kemalpas TURKEY infosds@kansaialtar	l ier: sai Altan Boya [m. sa - Izmir		
• Further information • 1.4 Emergency telep During working hou	ohone number:		
SECTION 2: Ha			
GHS02 fl	ame	ation (EC) No 1272/2008	
\mathbf{A}	H225 Hi ealth hazard	ighly flammable liquid and vapo	ur.
Asp. Tox. 1 I	H304 M	ay be fatal if swallowed and ent	ers airways.
Acute Tox. 4	Н332 На	armful if inhaled.	
		auses skin irritation.	
2		auses serious eye irritation.	17 I. I. I. I. I.
			May cause drowsiness or dizziness.
Aquatic Chronic 3		armful to aquatic life with long l	
Xn; Harmful	aing to Directi	ive 67/548/EEC or Directive 199	<i>メメ/43/E</i> し
		on and in contact with skin. Har	mful: may cause lung damage if
Xi; Irritant R36/37/38: Irritat	ting to eyes, re.	spiratory system and skin.	(Contd. on page 2)





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Revision: 04.09.2015 Printing date 04.09.2015 Version number 4 Trade name: CARDEA UNIVERSAL THINNER 30 (SLOW) - 1 L (Contd. of page 1) F; Highly flammable Highly flammable. *R11*: R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · 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. · 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: xylene Hydrocarbons, C9 aromatics ethylbenzene 4-methylpentan-2-one · Hazard statements H225 Highly flammable liquid and vapour. H332 Harmful if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness. H304 May be fatal if swallowed and enters airways. H412 Harmful to aquatic life with long lasting effects. · Precautionary statements Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No P210 smoking. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P303+P361+P353 IF ON SKIN (or hair): 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. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. · 2.3 Other hazards · Results of PBT and vPvB assessment · PBT: Not applicable.

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· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

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

· Dangerous components:		
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32	xylene Xn R20/21; Xi R38 R10 Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	25-50%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9 aromatics	20-<25%
CAS: 4435-53-4 EINECS: 224-644-9	3-methoxybutyl acetate Xi R36 ↓ Eye Irrit. 2, H319	10-<20%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35	ethylbenzene Xn R20-48/20-65; F R11 Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; ↓ Acute Tox. 4, H332	2,5-<10%
CAS: 108-10-1 EINECS: 203-550-1 Index number: 606-004-00-4 Reg.nr.: 01-2119473980-30	4-methylpentan-2-one Xn R20; Xi R36/37; F R11 R66 Flam. Liq. 2, H225; ↑ Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	2,5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate R10-66-67 � Flam. Liq. 3, H226; � STOT SE 3, H336	2,5-<10%
EC number: 919-284-0 Reg.nr.: 01-2119463588-24	Hydrocarbons, C10, aromatics, >1% naphthalene Xn R40-65; BN R51/53 R66-67 Carc. 2, H351; Asp. Tox. 1, H304; Aquatic Chronic 2, H411 STOT SE 3, H336 the wording of the listed risk phrases refer to section 16	0,1-<1%

• 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
- General information:
- Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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- In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.

• 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 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:
- Mouth respiratory protective device.

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. 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.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

- *Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.*
- *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: 5 °C 40 °C
- Requirements to be met by storerooms and receptacles: Store in a cool location.

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· 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.

• *Ingredients with limit values that require monitoring at the workplace:* The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

1330-20-7 xylene

IOELV Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin

100-41-4 ethylbenzene

IOELV Short-term value: 884 mg/m³, 200 ppm Long-term value: 442 mg/m³, 100 ppm Skin

108-10-1 4-methylpentan-2-one

IOELV Short-term value: 208 mg/m³, 50 ppm Long-term value: 83 mg/m³, 20 ppm

· 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. 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.

- Recommended filter device for short term use: Combination filter A-P2
- · Protection of hands:



Protective gloves

Sensibilisation by the components in the glove materials is possible. Check protective gloves prior to each use for their proper condition. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Use gloves resistant to chemical affects (EN 374) and having CE marking.

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^{· 8.1} Control parameters



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(Contd. of page 5) · 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. 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. • Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. • For the permanent contact gloves made of the following materials are suitable: Butyl rubber, BR Fluorocarbon rubber (Viton) For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: *Neoprene gloves* • As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR • Eye protection: Tightly sealed goggles

- · Body protection: Use protective clothing that prevents direct contact to skin.
- · Protective suit antistatic.

SECTION 9: Physical and chemical properties

General Information	
Appearance: Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	136 °C
Flash point:	10 °C (Closed cup)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	410 °C
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	<i>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</i>
Explosion limits:	
Lower:	0,8 Vol %



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Upper:	7,0 Vol %	
· Vapour pressure at 20 °C:	6,7 hPa	
Density at 20 °C:	$0,88 \text{ g/cm}^3$	
· Relative density	Not determined.	
· Vapour density	Lighter than air	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
water:	Partly soluble.	
• Partition coefficient (n-octanol	/water): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic at 20 °C:	10 s (DIN 53211/4)	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 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.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.

• 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

 11.1 Information on toxicological effect 	n on toxicological effect	1.1 Information on
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- Acute toxicity
- Harmful if inhaled.

· LD/LC50	values releve	ant for classification:
1330-20-7	xylene	
Dermal	LD50	2000 mg/kg (rabbit)
Hydrocarb	oons, C9 aro	matics
Dermal	LD50	>3160 mg/kg (rabbit)
Inhalative	LC50/96 h	(rat)
100-41-4 e	thylbenzene	
Dermal	LD50	17800 mg/kg (rabbit)
108-10-1 4	-methylpen	tan-2-one
Dermal	LD50	16000 mg/kg (rab)
Inhalative	LC50/96 h	8,3-16,6 mg/l (rat)
123-86-4 n	i-butyl aceta	ite
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/96 h	>21,0 mg/l (rat)
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Trade name: CARDEA UNIVERSAL THINNER 30 (SLOW) - 1 L (Contd. of page 7) · Primary irritant effect: · Skin corrosion/irritation Causes skin irritation. · Serious eye damage/irritation Causes serious eye irritation. • Respiratory or skin sensitisation Based on available data, the classification criteria are not met. · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) · Germ cell 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. · STOT-single exposure May cause respiratory irritation. May cause drowsiness or dizziness. • STOT-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** · 12.1 Toxicity • Aquatic toxicity: No further relevant information available. · 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. · Ecotoxical effects: · Remark: Harmful to 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. Danger to drinking water if even small quantities leak into the ground. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details. Harmful to aquatic organisms · 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. · European waste catalogue 15 00 00 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED 15 01 00 packaging (including separately collected municipal packaging waste) 15 01 10* packaging containing residues of or contaminated by dangerous substances

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· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

1 / 1 1757 57 1	
14.1 UN-Number ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name ADR	1263 PAINT RELATED MATERIAL, special provision 640D
IMDG, IATA	PAINT RELATED MATERIAL
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	3 Flammable liquids.
Label	3
14.4 Packing group ADR, IMDG, IATA	Π
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Danger code (Kemler): EMS Number:	Warning: Flammable liquids. 33 F-E, <u>S-E</u>
14.7 Transport in bulk according to Anno Marpol and the IBC Code	ex II of Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category Tunnel restriction code	2 D/E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN ''Model Regulation'':	UN1263, PAINT RELATED MATERIAL, special provisio 640D, 3, II

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SECTION 15: Regulatory information

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · National regulations:
- · Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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.
- 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.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H373 May cause damage to the hearing organs through prolonged or repeated exposure.
- H411 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.*
- R36/37 Irritating to eyes and respiratory system.
- *R37* Irritating to respiratory system.
- R38 Irritating to skin.
- *R40* Limited evidence of a carcinogenic effect.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R51/53 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.
- · Department issuing MSDS: Product safety department
- · Contact: Ms. Sevde Seza Bozacioğlu
- 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)
- 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

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(Contd. of page 10) ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Flam. Liq. 3: Flammable liquids, Hazard Category 3 Acute Tox. 4: Acute toxicity, Hazard Category 4 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2 Carc. 2: Carcinogenicity, 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 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3 • * Data compared to the previous version altered.

