ADPCC
Zuiveringweg 89
8243 PE Lelystad
the Netherlands
tel: +31 (0)320 264665
fax: +31 (0)320 264781

Technical Information Sheet

Octobase 500 - 805

APPLICATION DATA

Mixing Ratio : 1:1 with TA900/TA910/TA920.

Application viscosity DINCUP 4mm/20°C

Airspray (sec)	:	15-17
Pressure tank (sec)	:	-
Airless (sec)	:	-

(*) If necessary, apply directly a dustcoat in the wet and/or dry layer.
If necessary: use a Undercoat (UC).

	Nozzle diameter (mm)	Spraying pressure (bar)
Gravity feed	1,3-1,5	3,0-4,0
Suction feed	1,6-1,8	3,5-4,5
Pressure tank	-	-
Airless	-	-
HVLP / LVLP	1,3-1,4	See info manufacterer
HR	-	See info manufacterer

Spray coats / Layer thickness (µm) : 2-3 / 15-25 (*)

Flash-off (min) : 10-15

Drying time (min)

20°C	:	15-20
60°C Obj.	:	-

Potlife (min) 20°C : -

OCTORAL

Technical Information Sheet

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8243 PE Lelystad
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Octobase 500 - 805

PRODUCT INFO

Area of application : Series 500 is a clear-over-base system for passenger cars, commercial vehicles, coaches, trucks, etc.

Chemical base : Special physically drying binders.

General qualities : Series 500 is a basecoat which must be finished with 2-pack clear coats. The system provides an exceptional optical effect, high durability, resistance to chemicals and gloss retention. When making an own formula with a Metallic/Pearl always use the Wax calculation option in Coins. If this is not possible fax the formula to Octoral and we will calculate it. Drying: Can be taped after 20-45 min.

Product group according to CEPE.
Max. VOC content in this group in accordance with European legislation. : Multi layer finishing: Baselayer and Clear. Max.VOC-amount in this group 420 g/L: average weight of the Base layer and Clear layer (ready to use) according to European legislation; Apart from this what also must apply is: 480 g/L: ready to use Base or Clear as lose components.

Auxiliary materials : TA900/TA910/TA920, C60, C97, C140, C150

VOC content (ASTM-D3960-69) (g/l) : >480 (ready to use paint)

Physical properties	**Specific gravity (kg/l)**	:	0.944 to 1.377 (Water = 1)
	Flash point	:	Closed cup: 23 to 25°C (73.4 to 77°F).
	Vol.% solids	:	30
	Economy	:	15 m²/L/20 µm
	Gloss	:	
	Colour	:	Not available.

Substrates : As described in the preparation system. Combined with suitable primer on: steel, aluminium, plastic, polyester, old paint coats not sensitive to solvents.

Undercoats : PE130, PF131, PF132, PF135

Finishing materials : All 2-pack clear coats.

Cleaning the equipment : TR51 Gun Cleaner

Storage life (years) : min. 2

(Under normal storage conditions and unopened tins).

SAFETY DATA SHEET

Octobase 500 - 805 (leadfree)

1. Identification of the preparation and of the company

Product name and/or code : Octobase 500 - 805 (leadfree)

Product use : Vehicle Refinishing Paint

Manufacturer : ADPCC
Zuiveringweg 89
8243 PE Lelystad
the Netherlands
tel: +31 (0)320 264665
fax: +31 (0)320 264781

Emergency telephone number of the company : Call: +31 (0)320 292200 (during daytime)

2. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name*	CAS number	%	EC number	Classification
n-butyl acetate	123-86-4	25 - 50	204-658-1	R10 R66, R67
Xylene	1330-20-7	12.5 - 25	215-535-7	R10 Xn; R20/21 Xi; R38
Ethylbenzene	100-41-4	1 - 5	202-849-4	F; R11 Xn; R20
Butan-1-ol	71-36-3	1 - 5	200-751-6	R10 Xn; R22 Xi; R37/38, R41 R67
2-Methylpropan-1-ol	78-83-1	1 - 5	201-148-0	R10 Xi; R37/38, R41 R67
2-Methoxy-1-methylethyl acetate	108-65-6	1 - 5	203-603-9	R10 Xi; R36
Acrylates/Methacrylates CAS not available		0 - 1		R43
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : R10
Xn; R20/21
Xi; R36/38

Physical/chemical hazards : Flammable.

Human health hazards : Harmful by inhalation and in contact with skin.
Irritating to eyes and skin.

Additional warning phrases : Contains (Acrylates/Methacrylates CAS not available). May produce an allergic reaction.

4. First-aid measures

First-aid measures

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do not use solvents or thinners.

Eye contact : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

Ingestion : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

5. Fire-fighting measures

Extinguishing media : Recommended: alcohol-resistant foam, CO_2, powders, water spray.
Not to be used : water jet.

Recommendations : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. Accidental release measures

Personal precautions : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

Spill : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Preferably clean with a detergent. Avoid using solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.

7. Handling and storage

Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Put on appropriate personal protective equipment (see section 8).

Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Storage : Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources.

Keep away from: oxidising agents, strong alkalis, strong acids.
No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Do not empty into drains..

8. Exposure controls/personal protection

Engineering measures : Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

Ingredient name	Occupational exposure limits
n-butyl acetate	**ACGIH TLV (United States, 1/2005). Notes: 1998 Adoption.** STEL: 200 ppm 15 minute/minutes. Form: All forms TWA: 150 ppm 8 hour/hours. Form: All forms
Xylene	**EU OEL (Europe, 4/2004). Skin Notes: Indicative** STEL: 442 mg/m^3 15 minute/minutes. Form: All forms STEL: 100 ppm 15 minute/minutes. Form: All forms TWA: 221 mg/m^3 8 hour/hours. Form: All forms TWA: 50 ppm 8 hour/hours. Form: All forms
Ethylbenzene	**EU OEL (Europe, 4/2004). Skin Notes: Indicative** STEL: 884 mg/m^3 15 minute/minutes. Form: All forms STEL: 200 ppm 15 minute/minutes. Form: All forms TWA: 442 mg/m^3 8 hour/hours. Form: All forms TWA: 100 ppm 8 hour/hours. Form: All forms
Butan-1-ol	**ACGIH TLV (United States, 1/2005). Notes: 2002 Adoption.** TWA: 20 ppm 8 hour/hours. Form: All forms
2-Methylpropan-1-ol	**ACGIH TLV (United States, 1/2005).** TWA: 152 mg/m^3 8 hour/hours. Form: All forms TWA: 50 ppm 8 hour/hours. Form: All forms
2-Methoxy-1-methylethyl acetate	**EU OEL (Europe, 4/2004). Skin Notes: Indicative** STEL: 550 mg/m^3 15 minute/minutes. Form: All forms STEL: 100 ppm 15 minute/minutes. Form: All forms TWA: 275 mg/m^3 8 hour/hours. Form: All forms TWA: 50 ppm 8 hour/hours. Form: All forms

Personal protective equipment

8. Exposure controls/personal protection

Respiratory system : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Skin and body : Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

Hands

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Eyes : Use safety eyewear designed to protect against splash of liquids.

Environmental exposure controls

Do not allow to enter drains or watercourses.

9. Physical and chemical properties

Physical state : Liquid.

Flash point : Closed cup: 23 to 25°C (73.4 to 77°F).

Relative density : 0.944 to 1.197 (Water = 1)

Vapour density : The highest known value is 4.6 (Air = 1) (2-methoxy-1-methylethyl acetate). Weighted average: 3.78 (Air = 1)

Lower explosion limit : The greatest known range is Lower: 1.2% Upper: 10.9% (2-methylpropan-1-ol)

Solubility : Insoluble in cold water, hot water.

10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7).

Hazardous decomposition products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

11. Toxicological information

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage.

Contains (Acrylates/Methacrylates CAS not available). May produce an allergic reaction.

12. Ecological information

There is no data available on the preparation itself.
Do not allow to enter drains or watercourses.

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.

Ecotoxicity data

Product/ingredient name	Species	Period	Result
n-butyl acetate	Pimephales promelas (EC50)	48 hour/hours	19 mg/l
	Pimephales promelas (LC50)	96 hour/hours	18 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	100 mg/l
Xylene	Oncorhynchus mykiss (LC50)	96 hour/hours	3.3 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	8.2 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	8.6 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	12 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	13.3 mg/l
	Pimephales promelas (LC50)	96 hour/hours	13.4 mg/l
Ethylbenzene	Daphnia magna (EC50)	48 hour/hours	2.93 mg/l
	Daphnia magna (EC50)	48 hour/hours	2.97 mg/l
	Selenastrum capricornutum (EC50)	48 hour/hours	7.2 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	4.2 mg/l
	Pimephales promelas (LC50)	96 hour/hours	9.09 mg/l
	Poecilia reticulata (LC50)	96 hour/hours	9.6 mg/l
Butan-1-ol	Daphnia magna (EC50)	48 hour/hours	1983 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	100 mg/l
	Pimephales promelas (LC50)	96 hour/hours	1730 mg/l
	Pimephales promelas (LC50)	96 hour/hours	1910 mg/l
	Pimephales promelas (LC50)	96 hour/hours	1940 mg/l
2-Methylpropan-1-ol	Scenedesmus subspicatus (EC50)	48 hour/hours	230 mg/l
	Daphnia pulex (EC50)	48 hour/hours	1100 mg/l
	Scenedesmus subspicatus (EC50)	48 hour/hours	1250 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	1330 mg/l
	Pimephales promelas (LC50)	96 hour/hours	1430 mg/l
	Pimephales promelas (LC50)	96 hour/hours	1510 mg/l
2-Methoxy-1-methylethyl acetate	Fish (LC50)	96 hour/hours	161 mg/l

Ecological information

Persistence/degradability

Product/ingredient name	BOD_5	COD	ThOD
n-butyl acetate	0.15 to 0.5 g O_2/g	2.32 g O_2/g	2.21 g O_2/g
Butan-1-ol	1.5 g O_2/g	1.9 g O_2/g	-
2-Methylpropan-1-ol	1.66 g O_2/g	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
n-butyl acetate	-	-	Not readily
Butan-1-ol	-	-	Readily

13. Disposal considerations

Do not allow to enter drains or watercourses.
Dispose of according to all federal, state and local applicable regulations.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

14. Transport information

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Land - road/railway

UN number : 1263
Transport document name : Paint (n-butyl acetate)
Special provision 640 : E
ADR/RID Class : 3
Packing group : III
ADR/RID Label :

Sea

UN number : 1263
Proper shipping name : Paint (n-butyl acetate)
Special provisions : Not available.
IMDG Class : 3
Packing group : III
IMDG Label :

Marine pollutant : No.
Emergency schedules (EmS) : 3-05

Air

UN number : 1263
Proper shipping name : Paint (n-butyl acetate)
Special provisions : Not available.
ICAO/IATA Classification : 3
Packing group : III

The "viscosity exemption" provisions do not apply to air transport.

ICAO/IATA label :

Inland waterways

UN number : 1263
Proper shipping name : Paint (n-butyl acetate)

14. Transport information

ADNR Classification : 3

Packing group : III

ADNR Label :

15. Regulatory information

EU regulations : The product is classified and labelled for supply in accordance with the Directive 1999/45/EC as follows:

Hazard symbol/symbols :

Harmful

Risk phrases : R10- Flammable.
R20/21- Harmful by inhalation and in contact with skin.
R36/38- Irritating to eyes and skin.

Safety phrases : S23- Do not breathe vapour spray.
S36/37- Wear suitable protective clothing and gloves.
S46- If swallowed, seek medical advice immediately and show this container or label.
S51- Use only in well-ventilated areas.

Contains : Xylene

Additional warning phrases : Contains (Acrylates/Methacrylates CAS not available). May produce an allergic reaction.

Industrial use : The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

16. Other information

CEPE Classification : 1

Full text of R-phrases referred to in sections 2 and 3 - Europe : R11- Highly flammable.
R10- Flammable.
R20- Harmful by inhalation.
R20/21- Harmful by inhalation and in contact with skin.
R22- Harmful if swallowed.
R36- Irritating to eyes.
R36/38- Irritating to eyes and skin.
R37/38- Irritating to respiratory system and skin.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.
R43- May cause sensitisation by skin contact.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.

The information in this Safety Data Sheet is required pursuant to EU Directive 91/155/EEC and its amendments.

Date of issue : **11/10/2005.**

Version : **1.5**

Notice to reader

16. Other information

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.