MASON©CT

This product is for the professional painting of vehicles only after reference to the manufacturer's data sheet.

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Identification of the substance or mixture

Product name and/or code : **P Type 1K RM Topcoat Lead free**

Company/undertaking identification

Manufacturer : Akzo Nobel Car Refinishes bv
Rijksstraatweg 31
2171 AJ Sassenheim
The Netherlands
Phone: +31 (0)71 308 6944
http://www.masonct.com

e-mail address of person responsible for this SDS : sds-cr@akzonobel.com

Emergency telephone number of the company : **+ 31 (0)71 308 6944**

2. Hazards identification

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

Classification according to Regulation (EC) 1907/2006 (REACH)

Classification : R10
R43, R67
N; R51/53

Physical/chemical hazards : Flammable.

Human health hazards : May cause sensitisation by skin contact. Vapours may cause drowsiness and dizziness.

Environmental hazards : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or assigned an occupational exposure limit.

Chemical name	CAS number	%	Number	Classification	
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	2.5 - 10	265-185-4	R10 Xn; R65 N; R51/53	[1]
Naphtha (petroleum), hydrotreated heavy	64742-48-9	2.5 - 10	265-150-3	R10 Xn; R65 R66, R67	[1]
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	2.5 - 10	265-185-4	R10 Xn; R65 R66, R67 N; R51/53	[1]
dipentene	138-86-3	2.5 - 10	205-341-0	R10 Xi; R38 R43 N; R50/53	[1]
xylene	1330-20-7	2.5 - 10	215-535-7	R10 Xn; R20/21 Xi; R38	[1] [2]
aromatic solvent naphta		1 - 2.5	265-199-0	Xn; R65	[1]
1,2,4-Trimethylbenzene	95-63-6	0 - 1	202-436-9	R10 Xn; R20 Xi; R36/37/38 N; R51/53	[1] [2]
2-butanone oxime	96-29-7	0 - 1	202-496-6	Carc. Cat. 3; R40 Xn; R21 Xi; R41 R43	[1]
cobalt bis(2-ethylhexanoate)	136-52-7	0 - 1	205-250-6	Xn; R22	[1] [2]

See section 16 for the full text of the R-phrases declared above				Xi; R38 R43 N; R51/53

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

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

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. If unconscious, place in recovery position and seek medical advice.

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.

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.

Extinguishing media not to be used : Do not use water jet.

Special exposure hazards : 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 drains or watercourses.

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. 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).

Environmental precautions : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Methods for cleaning up : Preferably clean with a detergent. Avoid using solvents.

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.
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
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 dry, cool and well-ventilated area. Keep away from heat and direct sunlight.
Keep away from sources of ignition. 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

Ingredient name	Occupational exposure limits
xylene	**EH40/2005 WELs (United Kingdom (UK), 8/2007). Absorbed through skin.** STEL: 441 mg/m³ 15 minute(s). STEL: 100 ppm 15 minute(s). TWA: 220 mg/m³ 8 hour(s). TWA: 50 ppm 8 hour(s).
1,2,4-Trimethylbenzene	**EH40/2005 WELs (United Kingdom (UK), 8/2007).** TWA: 125 mg/m³ 8 hour(s). TWA: 25 ppm 8 hour(s).
cobalt bis(2-ethylhexanoate)	**EH40/2005 WELs (United Kingdom (UK), 8/2007). Skin sensitiser.** TWA: 0,1 mg/m³, (as Co) 8 hour(s).

Exposure controls : 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.

Occupational exposure controls

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

Gloves : For prolonged or repeated handling, use the following type of gloves:

Recommended: foil, fluor rubber
Not recommended: butyl rubber
May be used: nitrile rubber, neoprene, PVC

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

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

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: 39°C (102,2°F)

Viscosity : Kinematic: 3,364486 cm^2/s (336,4486 cSt)

Relative density : 1,07

Vapour density : Highest known value: 4.7 (Air = 1) (dipentene). Weighted average: 4.26 (Air = 1)

Explosion limits : Greatest known range: Lower: 1% Upper: 7.5% (xylene)

10. Stability and reactivity

Conditions to avoid : Stable under recommended storage and handling conditions (see section 7). When exposed to high temperatures may produce hazardous decomposition products.

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

Hazardous decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. Toxicological information

Toxicokinetics

Distribution : Contains material which causes damage to the following organs: eye, lens or cornea.
Contains material which may cause damage to the following organs: blood, kidneys, lungs, liver, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS).

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 3 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. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.
Solvents may cause some of the above effects by absorption through the skin. 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 dipentene, 2-butanone oxime, cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
dipentene	LD50 Oral	Rat	5300 mg/kg	-
xylene	LD50 Dermal	Rabbit	>1700 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
1,2,4-Trimethylbenzene	LD50 Oral	Rat	5 g/kg	-
2-butanone oxime	LD50 Oral	Rat	930 mg/kg	-

Conclusion/Summary : Not available.

Chronic toxicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Product name	List name	Name on list	Classification	Notes
cobalt bis(2-ethylhexanoate)	UK Occupational Exposure Limits EH40 - WEL	cobalt compounds	Carc.	

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 classified for eco-toxicological properties accordingly. See Sections 3 and 15 for details.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
dipentene	Acute EC50 17 ppm Fresh water	Daphnia - Daphnia magna - <24 hours	48 hours
	Acute LC50 80 to 88,7 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
xylene	Acute LC50 8500 ug/L Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 3,3 mg/L	Fish	96 hours
	Acute LC50 8,2 mg/L	Fish	96 hours
	Acute LC50 8,6 mg/L	Fish	96 hours
	Acute LC50 12 mg/L	Fish	96 hours
	Acute LC50 13,3 mg/L	Fish	96 hours
	Acute LC50 13,4 mg/L	Fish	96 hours
1,2,4-Trimethylbenzene	Acute LC50 17000 ug/L Marine water	Crustaceans - Cancer magister - Zoea	48 hours
	Acute LC50 7,72 mg/L	Fish	96 hours
2-butanone oxime	Acute LC50 843 mg/L	Fish	96 hours

Conclusion/Summary : Not available.

Persistence/degradability

Conclusion/Summary : Not available.

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.

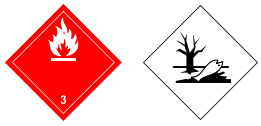
UN

UN number : UN1263
Proper shipping name : PAINT
Class : 3
Subsidiary class : -
Packing group : III
Label :



IMDG

UN number : UN1263
Proper shipping name : PAINT
Class : 3
Subsidiary class : -
Packing group : III
Label :



Marine pollutant : Yes.
Marine pollutant substances : Naphtha (petroleum), hydrodesulfurized heavy, dipentene
Emergency schedules (EmS) : F-E, S-E
Special provisions : Not available.

ADR

UN number : UN1263
Proper shipping name : PAINT
Class : 3
Subsidiary class : -
Packing group : III
Label : Exempted according to 2.2.3.1.5 (Viscous substance exemption)



Marine pollutant : No.

ADN/ADNR

UN number : UN1263
Proper shipping name : PAINT
Class : 3
Subsidiary class : -
Packing group : III
Label : Exempted according to 2.2.3.1.5 (Viscous substance exemption)



Marine pollutant : No.

IATA

UN number : UN1263
Proper shipping name : PAINT
Class : 3
Subsidiary class : -
Packing group : III
Label :



Special provisions : Not available.

15. Regulatory information

Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments are still required.

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

Hazard symbol or symbols :



Irritant, Dangerous for the environment

Risk phrases : R10- Flammable.
R43- May cause sensitisation by skin contact.
R67- Vapours may cause drowsiness and dizziness.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S23- Do not breathe vapour or spray.
S24- Avoid contact with skin.
S37- Wear suitable gloves.
S51- Use only in well-ventilated areas.

Contains : dipentene

Detergents - Regulation (EC) No 907/2006 : Not applicable.

Other EU regulations

Additional warning phrases (CEPE) : Not applicable.

Restrictions on Manufacture, Marketing and Use : Restricted to professional users.

The information in this Safety Data Sheet is required pursuant to Annex II to Regulation (EC) No 1907/2006.

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

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) :
R10- Flammable.
R40- Limited evidence of a carcinogenic effect.
R20- Harmful by inhalation.
R21- Harmful in contact with skin.
R22- Harmful if swallowed.
R20/21- Harmful by inhalation and in contact with skin.
R65- Harmful: may cause lung damage if swallowed.
R41- Risk of serious damage to eyes.
R38- Irritating to skin.
R36/37/38- Irritating to eyes, respiratory system and skin.
R43- May cause sensitisation by skin contact.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Date of issue/Date of revision : **12-09-2010.**

Indicates information that has changed from previously issued version.

Notice to reader

FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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