



2K MS FAST REPAIR CLEARCOAT

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

FOR PROFESSIONAL USE ONLY

Version: 01

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

- 1.1 Product Name:** 2K MS Fast Repair Clearcoat
Product Code: 0203
Product General Name: Clearcoat
- 1.2 Intended use:** Vehicle refinishing
- 1.3 Producer/Supplier:** Churchill Paints Ltd
 Riverdane Road, Eaton Bank Trading Estate,
 Congleton, Cheshire, CW12 1PN
 Tel. +44(0)1260 290666, Fax. +44(0)1260 290 444
 Email: sds@churchill-paints.co.uk
- 1.4 Emergency Phone:** In case of health hazard, seek medical attention
 For additional information please call: +44(0) 1260 290 666 (office hours only)

2. HAZARDS IDENTIFICATION

Hazards of the Mixture (Preparation) identified in section 1:

Hazard Symbols:

Risk Phrases:	R10	Flammable
	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
	R66	Repeated exposure may cause skin dryness or cracking.
	R67	Vapours may cause drowsiness and dizziness

OTHER INFORMATION:

Vapours of the product are heavier than air and may accumulate on the ground, in the sump of pits, drains or cellars with higher concentrations. Ground level ventilation is recommended.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances in the Mixture (Preparation) presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC, or subject to recognised exposure limits:



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Chemical name	%	CAS No.	EC No. (EINECS)	Index No.	Symbol abbreviation	Risk phrases
n-Butyl Acetate Butyl ethanoate	25--50	123-86-4	204-658-1	607-025-00-1		R10, R66, R67
Iso-butyl acetate	2.5--10	110-19-0	203-745-1	607-026-00-7	F	R11, R66
Ethyl 3-epoxypropionate	2.5--10	763-69-9				R52/53
Solvent naphtha (petroleum), light aromatic	2.5--10	64742-95-6	265-199-0	649-356-00-4	Carc. Cat. 2; Xn	R45, R65
naphtha (petroleum), hydrodesulfurized heavy	< 0.5	64742-82-1	265-185-4	649-330-00-2	Xn, N	R51/53, R65, R66, R67
Mixture of benzotriazol	< 1	104810-48-2	400-830-7	607-176-00-3	N	R43, R51/53
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	< 0.5	41556-26-7	255-437-1		N	R43, R50/53
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	< 0.5	82919-37-7	280-060-4		N	R43, R50/53

4. FIRST AID MEASURES

General:	In all cases of doubt, or where symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.
Eye contact:	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart, and seek medical advice.
Skin contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners
Ingestion:	If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE – FIGHTING MEASURES

Extinguishing media:	Recommended: alcohol-resistant foam, CO ₂ , Dry powder, Sand. Do <u>not</u> use water jet.
Recommendations:	Fire will produce dense black smoke. Exposure to decomposition products (see section 10) may cause a health hazard. Appropriate breathing apparatus should be worn. Water-mist may be used to cool closed containers. Do not allow run-off from fire fighting to enter drains or water courses.

**2K MS FAST REPAIR CLEARCOAT****6. ACCIDENTAL RELEASE MEASURES**

Personal precautions: Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.

Environmental precautions: Do not allow to enter drains or water courses. If the product enters drains or sewers, inform water authorities in accordance with local regulations.

Cleaning up: Preferably clean with a detergent. Avoid using solvents. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. HANDLING AND STORAGE

7.1 Handling: Vapours are heavier than air and may spread along floors. They 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. Additionally, 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 the container and connect to the receiving container with a bonding strap. Operators should wear antistatic footwear and clothing. Floors should be of the conducting type. Isolate from sources of heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection, see Section 8. Never use pressure to empty, the container is not a pressure vessel. Always keep in containers made of the same material as the original supply container. Good housekeeping standards and regular safe removal of waste materials will minimise risks of spontaneous combustion and other fire hazards. Always comply with the Health and Safety at Work Etc. Act. The Manual Handling Operations Regulations 1992 (GB and NI) may apply to the handling of containers of this product. Refer to the published guide weight when carrying out Dry assessments.

7.2 Storage: Store in accordance with The Dangerous Substances and Explosive Atmospheres Regulations 2002. Observe label precautions. Store between 5 and 30 degrees C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and stored upright to prevent leakage. Store separately from oxidising agents, strong alkalis and strong acids.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Workplace Exposure Limits (WELs):

Ingredient name:	Comment (from EH40)	Time-weighted average – 8 hrs (TWA).		Short-term exposure limits –15min (STELs)	
		ppm.	mg/m ³	ppm.	mg/m ³
n-Butyl Acetate		150	724	200	966
Iso-butyl acetate		150	724	187	903
Solvent naphtha (petroleum), light aromatic			100		
naphtha (petroleum), hydrodesulfurized heavy			600		

Comments from HSE Guidance Note EH40/2005 Workplace exposure limits:

8.2 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.

8.2.1 Occupational exposure controls:

All personal protective equipment must meet the requirements of the COSHH Regulations.

Respiratory protection: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Dry sanding, welding and/or flame cutting of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Further information on respiratory protective equipment is available from the HSE website.

Hand protection: When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection, and should not be applied once exposure has occurred.



Protective gloves

Eye protection: Eye protection designed to protect against liquid splashes should be worn.



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Skin protection: Personnel should wear antistatic and fire resistant clothing. Contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

8.2.2 Environmental exposure controls:

Do not allow to enter drains or watercourses.

9. PHYSICAL AND CHEMICAL PROPERTIES

(General Information)	
Physical State:	Liquid
Colour:	Colourless to pale amber
Odour:	Characteristic
Density (kg/L):	1.00
Vapour density:	> air
Viscosity:	90-100" DIN 4 Flow Cup @ 20°C
(Change in condition)	
Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	126°C
Flash point:	24°C
Ignition temperature:	370°C
Solubility in / Miscibility with water:	NOT MISCIBLE
Solvent content:	
Organic solvents:	53 %

10. STABILITY AND REACTIVITY

- 10.1 Stability:** Stable under recommended storage and handling conditions (see Section 7). In a fire, hazardous decomposition products may be produced. These may include Carbon Monoxide, Carbon Dioxide, Smoke and Oxides of Nitrogen.
- 10.2 Reactivity:** Keep away from oxidising agents, strong alkalis and strong acids to prevent the possibility of exothermic reactions.

11. TOXICOLOGICAL INFORMATION

There is no data available on the mixture itself.

Exposure to organic solvent vapours above the OEL's may result in adverse health effect such as irritation of the mucous membrane and respiratory system and adverse effect on kidney, liver and central nervous system. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness, and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the product may lead to removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage.



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12. ECOLOGICAL INFORMATION

There is no data available on the mixture itself.

Do not allow the product to enter drains or watercourses.

The mixture 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.

13. DISPOSAL CONSIDERATIONS

Do not allow the product to enter drains or watercourses.

Residues in emptied containers should be neutralised with decontaminant (see Section 6). Wastes, including empty containers, are controlled wastes and should be disposed of in accordance with:

- Control of Pollution Act 1974
- Environmental Protection Act

and should be recycled or disposed of through a licenced waste management facility.

14. TRANSPORT INFORMATION

Transport only in accordance with CHIP (Great Britain) or ADR (rest of Europe) for road. RID for rail. IMDG for sea and ICAO/IATA for air transport.

Land - road/railway:

UN number: UN1263
Transport document name: Paint Related Material
ADR/RID Class: 3
Packing group: III

ADR/RID Label:



Sea:

UN Number: UN1263
Proper Shipping Name: Paint Related Material
IMDG Class: 3.3
Packing Group: III

IMDG Label:



Marine pollutant: No
Emergency schedules (EmS): F-E, S-E



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15. REGULATORY INFORMATION

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

Hazard symbol(s):

Contains: Mixture of Benzotriazol; the mixture of sterically composed sebacates may produce an allergic reaction

Risk Phrases:

R10	Flammable
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Safety phrases:

S16	Keep away from sources of ignition - No smoking
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S51	Use only in well-ventilated areas
S61	Avoid release to the environment. Refer to special instructions/safety data sheet

Additional warning phrases:

Do not breathe vapour or spray
For use in industrial installations only

FOR PROFESSIONAL USE ONLY!

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks, as required by other health & safety legislation. The provisions of the Health & Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

16. OTHER INFORMATION

Full text of risk phrases appearing in Section 3:

R10	Flammable
R11	Highly flammable
R37	Irritating to respiratory system
R43	May cause sensitisation by skin contact
R45	May cause cancer
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
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

The information contained in this safety data sheet is based on the state of knowledge and national legislation at the time of the 'revision date' shown on page 1. Further updates to this safety data sheet, in line with changes to legislation and technical knowledge, will be available from Churchill Paints or the Churchill website. Contact Churchill Paints for the latest revision. This safety data sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. It is the user's responsibility to ascertain the suitability of the product for a specific use. As the specific conditions-of-use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.
