

NEXTEL® Velvet-Coating 811-21

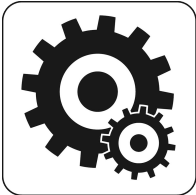
Technical Datasheet 811-21

Characteristics



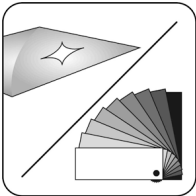
- Special black topcoat used to create matte and completely anti-glare surfaces
- Diffuse scattering of 98 % of the irradiated light - irrespective of the angle of incidence
- Specific technological stability
- Features good resistance to condensate and temperature stability
- High resistance to shock and impact

Range of Application



- For application to surfaces whenever light reflection is to be avoided, e.g. instrument scales, optical instruments and scientific equipment

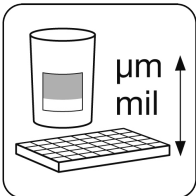
Color and Gloss



Color: jet black
Gloss: dull matte

reflectance value $\leq 2/85^\circ$ (DIN 67530 / ISO 2813)

Theoretical Coverage



Area	Quantity	Film thickness
436 m ²	1 l	1 µm

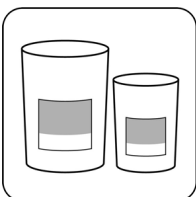
Recommended dry film thickness: 45 - 55 µm

Surface Pre-treatment



- Is applied directly onto the appropriately cleaned / pre-treated substrate, e.g. metal substrates, thermoplastics and duroplasts.
- The use of NEXTEL Primer 5523 ist advisable on difficult surfaces, such as aluminium, and to improve adhesion, mechanical resistance and corrosion protection.

Trade Names and Packaging



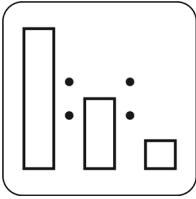
Material	Trade name	Container size [net]
Base material	NEXTEL Velvet-Coating 811-21	1 l, 10 l
Thinner	NEXTEL Verdünner 8061	1 l, 5 l, 25 l



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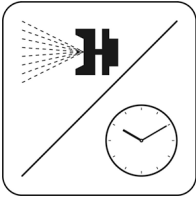
Technical Datasheet 811-21

Mixing



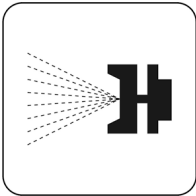
Material is delivered ready for use.

Pot Life



Without restriction within the scope of application of single-component systems.

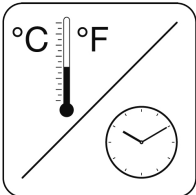
Application



	Compressed air spraying
Addition of thinner	approx. 5 %
Efflux time (DIN 53211-4)	nicht measurable
Nozzle size	1.5 - 1.8 mm
Spraying pressure	approx. 3.0 bar

Please review the technical recommendations of the equipment manufacturers.

Drying



	20 °C drying	80 °C drying	120 °C drying
Flash-off time at 20 °C	-	30 min	30 min
Dust-dry	15 -20 min	-	-
Assembly-dry	approx. 6 h	60 min	30 min

The temperature specified is the object temperature.

The information contained in this document is based on our current state of research and development. Revisal by the user with regard to the intended purpose is necessary due to the variety of processing options and fields of application – please refer to the General Terms and Conditions of Sale.



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)



Commercial Product Name: NEXTEL-Velvet-Coating 811-21
Quality No.: 8112192181000

Revision Date 02.07.2010
Print Date 03.07.2010

Version 3

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

Product information

Trade name : NEXTEL-Velvet-Coating 811-21 9218 schwarz

Use of the Substance/Mixture : Industrial serial painting

Company : Mankiewicz Gebr. & Co.
Georg-Wilhelm-Straße 189
DE-21107 Hamburg

Telephone : +4940751030
Telefax : +494075103375
E-mail address : sdb_info@umco.de
Emergency telephone : +49 (0) 551 / 19240 (Toxic agent information centre North /
NORD)

2. HAZARDS IDENTIFICATION

R-phrase(s) : 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture of synthetic resins, organic solvents and pigments

Hazardous components

Chemical Name	CAS/EC/Index No.	Classification	Concentration[%]
low boiling point hydrogen treated naphtha	64742-48-9 265-150-3 649-327-00-6	R10 - Xn; R65 - R66	>= 12,5 - < 20
low boiling point modified naphtha	64741-65-7 265-067-2 649-275-00-4	R66 - R53 - R65	>= 12,5 - < 20
low boiling point hydrogen treated naphtha	64742-49-0 265-151-9 649-328-00-1	R10 - Xn; R65 - R66 - R67	>= 5 - < 12,5
low boiling point naphtha - unspecified	64742-95-6 265-199-0 649-356-00-4	R10 - Xn; R65 - Xi; R37 - N; R51/53 - R66 - R67	>= 2,5 - < 5
low boiling point hydrogen treated naphtha	64742-82-1 265-185-4	R10 - N; R51/53 - Xn; R65 - R66 - R67	>= 2,5 - < 5

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600227300
59273300
373205

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200 700 00
200 300 00
200 100 20

BIC
DEUTDE33XXX
HYVEDE33XXX
PBNKDE33XXX

IBAN
DE58 2007 0000 0600 2273 00
DE34 2003 0000 0059 2733 00
DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442
Persönlich haftende Gesellschafterin:
Grau Gebr. Beteiligungs-GmbH
Sitz/Registriergericht Hamburg: HRB 17189
Geschäftsführender Gesellschafter:
Michael O. Grau

Bureau Veritas
Certification:
ISO 9001,
TS 16949,
EN 9100



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	649-330-00-2		
xylene	1330-20-7 215-535-7 601-022-00-9	R10 - Xn; R20/21 - Xi; R38	>= 1 - < 5
2-methylpropan-1-ol	78-83-1 201-148-0 603-108-00-1	R10 - Xi; R37/38 - Xi; R41 - R67	>= 1 - < 5
ethylbenzene	100-41-4 202-849-4 601-023-00-4	F; R11 - Xn; R20	>= 1 - < 5
2-butanone oxime	96-29-7 202-496-6 616-014-00-0	Xn; R21 - Carc.Cat.3; R40 - Xi; R41 - R43	>= 0,25 - < 0,5
n-butyl acetate	123-86-4 204-658-1 607-025-00-1	R10 - R66 - R67	>= 1 - < 5

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

- General advice : In all cases of doubt, or when sickness 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.
Irregular breathing/no breathing: artificial respiration.
If unconscious place in recovery position and seek medical advice.
- Skin contact : Take off all contaminated clothing immediately.
Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do NOT use solvents or thinners !
- Eye contact : Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
- Ingestion : Do NOT induce vomiting.
If accidentally swallowed obtain immediate medical attention.
Never give anything by mouth to an unconscious person.
Keep at rest.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Alcohol resistant foam, CO₂, powders, water spray
- Extinguishing media which shall not be used for safety reasons : High volume water jet
- Specific hazards during fire fighting : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.



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- Special protective equipment for fire-fighters : Appropriate breathing apparatus may be required.
Further information : Cool endangered containers with water in case of fire.
DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES!!

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Exclude sources of ignition and ventilate the area.
Do not inhale vapours.
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not let product enter drains.
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.
- Methods for cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see chapter 13).
Clean preferably with a detergent; avoid use of solvents.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.
Comply with the health and safety at work laws.
Smoking, eating and drinking should be prohibited in the application area.
Observe specific national regulations for handling and use of paints.
- Advice on protection against fire and explosion : The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.
Operators should wear anti-static footwear and clothing. No sparking tools should be used.
Vapours are heavier than air and may spread along floors.
Vapours may form explosive mixtures with air.

Storage

- Requirements for storage areas and containers : Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type.
Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access.
Containers which are opened must be carefully resealed and



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kept upright to prevent leakage.

Further information on storage conditions : Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place.

Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.

Storage temperature : 5 - 35 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components Source	Value	Short term exposure limit	Ceiling Limit Value	Note
xylene CAS-No.1330-20-7				
Occupational Exposure Standards (OESs) / EH40	50 ml/m3 220 mg/m3			Sk
2000/39/EC	50 ml/m3 221 mg/m3			Skin
N-Butylacetate CAS-No.123-86-4				
Occupational Exposure Standards (OESs) / EH40	150 ml/m3 724 mg/m3			
2-METHYLPROPAN-1-OL CAS-No.78-83-1				
Occupational Exposure Standards (OESs) / EH40	50 ml/m3 154 mg/m3			
ethylbenzene CAS-No.100-41-4				
2000/39/EC	100 ml/m3 442 mg/m3			Skin
Occupational Exposure Standards (OESs) / EH40	100 ml/m3 441 mg/m3			Sk

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 aerosol- and solvent vapours concentration below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Use half-mask model with cartridge or air-fed. Dry grinding, torch cutting and/or welding however can produce hazardous dust and/or vapour. If possible, machine employing a wet medium. Where practicable, install exhaust hoods to improve capture of vapours and fumes and avoid exposition; otherwise wear



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respiratory protection equipment.

Hand protection : Adhere to the professional organisation rule "Use of protective gloves". Appropriate chemicals resistant glove tested in compliance with EN 374.
Recommendation for protection against components generally found in the products:

For short-term contact (i.e. splash protection):

Appropriate material:

nitrile rubber, Neoprene

Material thickness: > 0,4 mm

Breakthrough time: > 480 min

Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Preventive hand protection (skin protection cream) recommended. Wash immediately contaminated skin. Design operations thus to avoid permanent use of protective gloves.

Eye protection : Wear safety goggles to protect against solvent splashes.

Skin and body protection : Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

Protective measures : Do not eat or drink during work - no smoking.
Avoid product contact with skin, eyes and clothing.
Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation.
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 until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form : liquid
Colour : according product name
Odour : characteristic

Important health, safety and environmental information

Mankiewicz Gebr. & Co., (GmbH & Co. KG)
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21107 Hamburg (Wilhelmsburg)
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Postbank	Hamburg	373205	200 100 20	PNKDEFF200	DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442
Büro/Registriergericht Hamburg: HRA 17189
Sitz/Registriergericht Hamburg: HRA 17189
Geschäftsführender Gesellschafter:
Michael O. Grau
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Certification:
ISO 9001,
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EN 9100



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Boiling point/boiling range	:	ca.120 °C
Flash point	:	31 °C Method: ISO 2719
Ignition temperature	:	> 400 °C
Lower explosion limit	:	1 %(V)
Upper explosion limit	:	10 %(V)
Vapour pressure	:	100 hPa at 50 °C
Density	:	0,93 g/cm ³ at 20 °C
Water solubility	:	Note: insoluble
Flow time	:	61 - 90 s Method: DIN 53211

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Stable under recommended storage and handling conditions (See section 7).
Materials to avoid	:	Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Hazardous decomposition products	:	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Further information	:	Exposure of vapour concentration in excess of the stated OEL's may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue muscular weakness, drowsiness and in extrem 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. The liquid splashed in the eyes may cause irritation and reversible damage.
Further information	:	The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

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12. ECOLOGICAL INFORMATION

- Additional ecological information : There are no data available on the preparation itself.
Additional ecological information : The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS

- Product : The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.
- Contaminated packaging : Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.
- Waste key for the unused product : 080111 waste paint and varnish containing organic solvents or other dangerous substances

14. TRANSPORT INFORMATION

ADR

- UN Number : 1263
Description of the goods : PAINT
Class : 3
Packaging group : III
Classification Code : F1
Hazard identification No : 30
ADR/RID-Labels : 3
Special Provision 640E

IMDG

- Substance No. : UN 1263
Description of the goods : PAINT
Class : 3
Packaging group : III
IMDG-Labels : 3
EmS Number : F-E, S-E
Marine pollutant : no

IATA

- UN Number : 1263
Description of the goods : PAINT
Class : 3
Packaging group : III
ICAO-Labels : 3
Packing instruction (cargo aircraft) : 310



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Packing instruction (passenger aircraft) : 309
Packing instruction (passenger aircraft) : Y309
Other information : If transported within the user's premises: To be transported always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of conduct in case of incident or spillage.

ADR: Receptacles with less than 450 litres capacity, are not subject to ADR (see ADR 2.2.3.1.5)
IMDG: Receptacles with less than 30 litres capacity, are not subject to the regulations of IMDG chapters 4.1, 5.2 and 6.1 (see IMDG 2.3.2.5)

15. REGULATORY INFORMATION

Labelling according to EC Directives 1999/45/EC

R-phrase(s) : 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.
S-phrase(s) : S23 Do not breathe vapours, aerosols.
S36 Wear suitable protective clothing.
S43 In case of fire, use sand, dry chemical or alcohol-resistant foam.
S60 This material and its container must be disposed of as hazardous waste.

Sensitising components

Contains BUTANONE OXIME. May produce an allergic reaction.

Directive 99/13/EC : VOC content excluding water:
53 %
497 g/l
Other regulations : The information given in this material safety data sheet does not release the user from its duty of risk assessment and control in the work place defined in other health and safety law. Adhere to the national sanitary and occupational safety regulations when using this product.



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16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R21	Harmful in contact with skin.
R37	Irritating to respiratory system.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	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.

Further information

This safety datasheet complies with the requirements of regulation (EC) No 1907/2006.

Department issuing safety data sheet

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



NEXTEL®
Primer 5523

Data sheet: **143**
Technical info:
Gen. techn. info:

- 1. Introduction/Characteristics** NEXTEL-Primer 5523 is a two-component-material. Together with NEXTEL-Suede-Coating 3101 it provides binding and corrosion protective qualities.
- 2. Range of application** NEXTEL-Primer 5523 should match the finish provided by NEXTEL-Suede-Coating 3101 (data sheet 428).
- 3. Colour** Standard colours
white, light-grey, anthracite

NEXTEL-Primer 5523 should match NEXTEL-Suede-Coating 3101 in brightness.
- 4. Coverage** 8 m² / l at a dry film thickness of 30 µm
recommended dry film thickness 25 to 35 µm
- 5. Substrate pretreatment** NEXTEL-Primer 5523 is applied directly onto the appropriately cleaned / pretreated substrate, e.g. metal, thermoplastics, duroplasts and MDF plates (medium density fibreboard).

Due to their solvent sensitivity, thermoplastics should be pre-treated with CELEROL-Füllhaftgrund 963.

NEXTEL®

Primer 5523

6. Trade names	Base Material Hardener Thinner	NEXTEL-Primer 5523 NEXTEL-Härter 5524 NEXTEL-Verdünner 8061
7. Mixing ratio	7 parts by volume 1 part by volume	NEXTEL-Primer NEXTEL-Härter
	10 parts by weight 1 part by weight	NEXTEL-Primer NEXTEL-Härter
8. Application	Compressed air spraying Efflux time (DIN 53211) Nozzle size Pressure	25 - 30 % thinner 18 - 22 seconds 1,5 - 1,8 mm 3,0 - 4,0 bar
	During processing and drying a minimum object temperature of 18° C is necessary.	
9. Pot life	Room temperature	approx. 16 hours
10. Drying	Room temperature	re-workable : 15 - 30 minutes
	To achieve optimal adhesion between NEXTEL-Suede-Coating 3101 and NEXTEL-Primer 5523 primer must be coated within 24 hours. Curing may be done by air- or oven-drying (see technical datasheet).	
11. Packaging	NEXTEL-Primer 5523 including NEXTEL-Härter 5524 NEXTEL-Verdünner 8061	1 l, 5 l, 20 l net 1 l, 5 l, 20 l net

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: NEXTEL-Primer 5523
Quality No.: 1430075253000

Revision Date 06.11.2011
Print Date 08.11.2011
Version 4

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : NEXTEL-Primer 5523 7525 anthrazit

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Industrial serial painting

1.3 Details of the supplier of the safety data sheet

Company : Mankiewicz Gebr. & Co.
(GmbH & Co. KG)
Georg-Wilhelm-Straße 189
21107 Hamburg
Telephone : +4940751030
Telefax : +494075103375
E-mail address : sdb_info@umco.de

1.4 Emergency telephone number

+49 (0) 551 / 19240 (Toxic agent information centre North / NORD)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Flammable	R10: Flammable.
Harmful	R20/21: Harmful by inhalation and in contact with skin.
Sensitising	R43: May cause sensitization by skin contact.
Irritant	R38: Irritating to skin.
Dangerous for the environment	R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

Hazard pictograms :



Harmful

R-phrases)

: R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.

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HypoVereinsbank	Hamburg	59273300	200 300 00	HYVEDE33HAN	DE34 2003 0000 0059 2733 00
Postbank	Hamburg	373205	200 100 20	PBANKDE33HAN	DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442
Persönlich haftende Gesellschafterin:
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	R43 R52/53	May cause sensitization by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	: S23 S36/37 S43 S60	Do not breathe vapours, aerosols. Wear suitable protective clothing and gloves. In case of fire, use sand, dry chemical or alcohol-resistant foam. This material and its container must be disposed of as hazardous waste.

Hazardous components which must be listed on the label:

1330-20-7	xylene
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight 700-1100)

2.3 Other hazards

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture of synthetic resins, organic solvents and pigments

Hazardous components

Chemical Name CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Concentration [%]
xylene 1330-20-7 215-535-7	R10 Xn; R20/21 Xi; R38	>= 12,5 - < 20
ethylbenzene 100-41-4 202-849-4	F; R11 Xn; R20	>= 5 - < 12,5
reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight 700-1100) 25068-38-6	Xi; R36/38 R43	>= 5 - < 12,5
4-methylpentan-2-one 108-10-1 203-550-1	F; R11 Xn; R20 Xi; R36/37 R66	>= 1 - < 5
trizinc bis(orthophosphate) 7779-90-0	N; R50/53	>= 1 - < 2,5

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231-944-3		
low boiling point naphtha - unspecified 64742-95-6 265-199-0	R10 Xn; R65 Xi; R37 N; R51/53 R66 R67	>= 0,1 - < 0,25
WEL substance :		
n-butyl acetate 123-86-4 204-658-1	R10 R66 R67	>= 12,5 - < 15
2-methoxy-1-methylethyl acetate 108-65-6 203-603-9 01-2119475791-29	R10	>= 1 - < 5
1-methoxy-2-propanol 107-98-2 203-539-1	R10 R67	>= 1 - < 5

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

- General advice : In all cases of doubt, or when sickness symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
- If inhaled : Remove to fresh air, keep patient warm and at rest.
Irregular breathing/no breathing: artificial respiration.
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do NOT use solvents or thinners !
- In case of eye contact : Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
- If swallowed : Do NOT induce vomiting.
If accidentally swallowed obtain immediate medical attention.
Never give anything by mouth to an unconscious person.
Keep at rest.

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4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol resistant foam, CO2, powders, water spray

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Special protective equipment for firefighters : Appropriate breathing apparatus may be required.

Further information : Cool endangered containers with water in case of fire.
DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES!!

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Exclude sources of ignition and ventilate the area.
Do not inhale vapours.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see chapter 13).
Clean preferably with a detergent; avoid use of solvents.

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6.4 Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.
Comply with the health and safety at work laws.
Smoking, eating and drinking should be prohibited in the application area.
Observe specific national regulations for handling and use of paints.

Advice on protection against fire and explosion : The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.
Operators should wear anti-static footwear and clothing. No sparking tools should be used.
Vapours are heavier than air and may spread along floors.
Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type.
Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.
Keep container dry in a cool, well-ventilated place.

Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.

Storage temperature : 5 - 35 °C

7.3 Specific end uses

: This information is not available.

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8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

CAS-No.	Source	Value	Ceiling Limit Value	Update
xylene				
1330-20-7 215-535-7	Occupational Exposure Standards (OESs) / EH40	50 ml/m3 220 mg/m3		01.09.2003
Further information:	Sk			
1330-20-7 215-535-7	2000/39/EC	50 ml/m3 221 mg/m3		08.06.2000
Further information:	Skin			
N-Butylacetate				
123-86-4 204-658-1	Occupational Exposure Standards (OESs) / EH40	150 ml/m3 724 mg/m3		01.09.2003
ethylbenzene				
100-41-4 202-849-4	2000/39/EC	100 ml/m3 442 mg/m3		08.06.2000
Further information:	Skin			
100-41-4 202-849-4	Occupational Exposure Standards (OESs) / EH40	100 ml/m3 441 mg/m3		01.09.2003
Further information:	Sk			
2-methoxy-1-methylethyl acetate				
108-65-6 203-603-9	2000/39/EC	50 ml/m3 275 mg/m3		08.06.2000
Further information:	Skin			
108-65-6 203-603-9	Occupational Exposure Standards (OESs) / EH40	50 ml/m3 274 mg/m3		01.09.2003
Further information:	Sk			
1-methoxypropan-2-ol				
107-98-2 203-539-1	2000/39/EC	100 ml/m3 375 mg/m3		08.06.2000
Further information:	Skin			
107-98-2 203-539-1	Occupational Exposure	100 ml/m3 375 mg/m3		01.09.2003

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IBAN DE58 2007 0000 0600 2273 00
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	Standards (OESs) / EH40			
Further information:	Sk			
4-methylpentan-2-one				
108-10-1 203-550-1	Occupational Exposure Standards (OESs) / EH40	50 ml/m3 208 mg/m3		01.09.2003
Further information:	Sk			
108-10-1 203-550-1	2000/39/EC	20 ml/m3 83 mg/m3		08.06.2000

8.2 Exposure controls

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 aerosol- and solvent vapours concentration below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.
Use half-mask model with cartridge or air-fed.
Dry grinding, torch cutting and/or welding however can produce hazardous dust and/or vapour.
If possible, machine employing a wet medium.
Where practicable, install exhaust hoods to improve capture of vapours and fumes and avoid exposition; otherwise wear respiratory protection equipment.

Hand protection : Adhere to the professional organisation rule "Use of protective gloves". Appropriate chemicals resistant glove tested in compliance with EN 374.
Recommendation for protection against components generally found in the products:

For short-term contact (i.e. splash protection):

Appropriate material:

nitrile rubber, Neoprene

Material thickness: > 0,4 mm

Breakthrough time: > 480 min

Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced



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immediately when physically damaged or worn. Preventive hand protection (skin protection cream) recommended. Wash immediately contaminated skin. Design operations thus to avoid permanent use of protective gloves.

- Eye protection : Wear safety goggles to protect against solvent splashes.
- Skin and body protection : Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.
- Protective measures : Do not eat or drink during work - no smoking. Avoid product contact with skin, eyes and clothing. Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation. 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 until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Environmental exposure controls

- General advice : Do not let product enter drains. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : according product name
- Odour : characteristic
- Boiling point/boiling range : ca. 120 °C
- Flash point : 32 °C, ISO 2719
- Lower explosion limit : 1 %(V)
- Upper explosion limit : 10 %(V)
- Vapour pressure : ca. 100 hPa, 50 °C
- Density : ca. 1,28 g/cm³, 20 °C
- Water solubility : insoluble
- Ignition temperature : > 400 °C

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9.2 Other information

Flow time : 91 s, 4 mm, DIN 53211

10. Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.
There are no data available on the preparation itself.

10.4 Conditions to avoid

Conditions to avoid : Stable under recommended storage and handling conditions
(See section 7).

10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and
strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

Hazardous decomposition products : When exposed to high temperatures may produce hazardous
decomposition products such as carbon monoxide and
dioxide, smoke, oxides of nitrogen.

11. Toxicological information

11.1 Information on toxicological effects

Further information : Exposure of vapour concentration in excess of the stated
OEL's may result in adverse health effects such as mucous
membrane and respiratory system irritation and adverse effects
on kidney, liver and central nervous system. Symptoms and
signs include headache, dizziness, fatigue muscular weakness,
drowsiness and in extrem 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.
The liquid splashed in the eyes may cause irritation and
reversible damage.

Further information : The product was classified in toxicological terms on the basis
of the results of the calculation procedure outlined within

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General Directive on Preparations (1999/45/EC).

12. Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : There are no data available on the preparation itself.

12.2 Persistence and degradability

Product:

Biodegradability

: There are no data available on the preparation itself.

12.3 Bioaccumulative potential

Product:

Bioaccumulation

: There are no data available on the preparation itself.

12.4 Mobility in soil

Product:

Mobility

: There are no data available on the preparation itself.

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Product:

Additional ecological information

: There are no data available on the preparation itself.

: The product should not be allowed to enter drains or water courses.

13. Disposal considerations

13.1 Waste treatment methods

Product

: The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation.

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A final decision must be made in agreement with the regional waste disposal company.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

Waste key for the unused product : 080111 waste paint and varnish containing organic solvents or other dangerous substances

14. Transport information

ADR

UN Number : 1263
Description of the goods : PAINT
Class : 3
Packaging group : III
Classification Code : F1
Hazard identification No : 30
ADR/RID-Labels : 3
Tunnel restriction code : Tunnelcode D/E
Environmentally hazardous : no
Special Provision 640E

IMDG

Substance No. : UN 1263
Description of the goods : PAINT
Class : 3
Packaging group : III
IMDG-Labels : 3
EmS Number : F-E, S-E
Marine pollutant : no

IATA

UN Number : 1263
Description of the goods : PAINT
Class : 3
Packaging group : III
ICAO-Labels : 3
Packing instruction (cargo aircraft) : 366
Environmentally hazardous : no
Packing instruction (passenger aircraft) : 355
Packing instruction (passenger aircraft) : Y344

Other information : If transported within the user's premises: To be transported



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always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of conduct in case of incident or spillage.

Receptacles with less than 450 litres capacity, are not subject to ADR (see ADR 2.2.3.1.5)
Receptacles with less than 30 litres capacity, are not subject to the regulations of IMDG chapters 4.1, 5.2 and 6.1 (see IMDG 2.3.2.5)

15. Regulatory information

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

Directive 99/13/EC : VOC content excluding water:
47 %
611 g/l

Other regulations : The information given in this material safety data sheet does not release the user from its duty of risk assessment and control in the work place defined in other health and safety law., Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical Safety Assessment

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R10 Flammable.
R11 Highly flammable.
R20 Harmful by inhalation.
R20/21 Harmful by inhalation and in contact with skin.
R36/37 Irritating to eyes and respiratory system.
R36/38 Irritating to eyes and skin.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R43 May cause sensitization by skin contact.
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.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Further information

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Commercial Product Name: NEXTEL-Primer 5523
Quality No.: 1430075253000

Revision Date 06.11.2011
Print Date 08.11.2011
Version 4

Other information : This safety datasheet complies with the requirements of regulation (EC) No 1907/2006(453/2010).

Department issuing safety data sheet

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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www.mankiewicz.de

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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: NEXTEL-Verdüner / Thinner 8061
Quality No.: 9010300000000

Revision Date 07.11.2011
Print Date 25.09.2012
Version 4

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : NEXTEL-Verdüner / Thinner 8061 farblos / transparent

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Industrial serial painting

1.3 Details of the supplier of the safety data sheet

Company : Mankiewicz Gebr. & Co.
(GmbH & Co. KG)
Georg-Wilhelm-Straße 189
21107 Hamburg
Telephone : +4940751030
Telefax : +494075103375
E-mail address : sdb_info@umco.de

1.4 Emergency telephone number

+49 (0) 551 / 19240 (Toxic agent information centre North / NORD)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

R-phrase(s) : R10 Flammable.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
S-phrase(s) : S23 Do not breathe vapours, aerosols.
S36 Wear suitable protective clothing.
S43 In case of fire, use sand, dry chemical or alcohol-resistant foam.
S60 This material and its container must be disposed of as hazardous waste.

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2.3 Other hazards

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture of organic solvents, halogen-free

Hazardous components

Chemical Name CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Concentration [%]
xylene 1330-20-7 215-535-7	R10 Xn; R20/21 Xi; R38	>= 5 - < 12,5
ethylbenzene 100-41-4 202-849-4	F; R11 Xn; R20	>= 1 - < 5
WEL substance :		
n-butyl acetate 123-86-4 204-658-1	R10 R66 R67	>= 50 - <= 100

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

- General advice : In all cases of doubt, or when sickness symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
- If inhaled : Remove to fresh air, keep patient warm and at rest.
Irregular breathing/no breathing: artificial respiration.
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do NOT use solvents or thinners !
- In case of eye contact : Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

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If swallowed : Do NOT induce vomiting.
If accidentally swallowed obtain immediate medical attention.
Never give anything by mouth to an unconscious person.
Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol resistant foam, CO2, powders, water spray

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Special protective equipment for firefighters : Appropriate breathing apparatus may be required.

Further information : Cool endangered containers with water in case of fire.
DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES!!

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Exclude sources of ignition and ventilate the area.
Do not inhale vapours.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent

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materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see chapter 13).
Clean preferably with a detergent; avoid use of solvents.

6.4 Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.
Comply with the health and safety at work laws.
Smoking, eating and drinking should be prohibited in the application area.
Observe specific national regulations for handling and use of paints.

Advice on protection against fire and explosion : The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.
Operators should wear anti-static footwear and clothing. No sparking tools should be used.
Vapours are heavier than air and may spread along floors.
Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type.
Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information on storage conditions : Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.
Keep container dry in a cool, well-ventilated place.

Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.

Storage temperature : 5 - 35 °C

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7.3 Specific end uses

: This information is not available.

8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

CAS-No.	Source	Value	Ceiling Limit Value	Update
N-Butylacetate				
123-86-4 204-658-1	Occupational Exposure Standards (OESs) / EH40	150 ml/m3 724 mg/m3		01.09.2003
xylene				
1330-20-7 215-535-7	Occupational Exposure Standards (OESs) / EH40	50 ml/m3 220 mg/m3		01.09.2003
Further information:	Sk			
1330-20-7 215-535-7	2000/39/EC	50 ml/m3 221 mg/m3		08.06.2000
Further information:	Skin			
ethylbenzene				
100-41-4 202-849-4	2000/39/EC	100 ml/m3 442 mg/m3		08.06.2000
Further information:	Skin			
100-41-4 202-849-4	Occupational Exposure Standards (OESs) / EH40	100 ml/m3 441 mg/m3		01.09.2003
Further information:	Sk			

8.2 Exposure controls

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 aerosol- and solvent vapours concentration below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

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

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- Hand protection : Use half-mask model with cartridge or air-fed.
- Hand protection : Adhere to the professional organisation rule "Use of protective gloves". Appropriate chemicals resistant glove tested in compliance with EN 374.
Recommendation for protection against components generally found in the products:

For short-term contact (i.e. splash protection):
Appropriate material:
nitrile rubber, Neoprene
Material thickness: > 0,4 mm
Breakthrough time: > 480 min

Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Preventive hand protection (skin protection cream) recommended. Wash immediately contaminated skin. Design operations thus to avoid permanent use of protective gloves.
- Eye protection : Wear safety goggles to protect against solvent splashes.
- Skin and body protection : Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.
- Protective measures : Do not eat or drink during work - no smoking.
Avoid product contact with skin, eyes and clothing.
Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation.
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 until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Environmental exposure controls

- General advice : Do not let product enter drains.
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: according product name
Odour	: characteristic
Boiling point/boiling range	: ca. 120 °C
Flash point	: 26 °C, ISO 2719
Lower explosion limit	: 1,0 %(V)
Upper explosion limit	: 10,0 %(V)
Vapour pressure	: 100 hPa, 50 °C
Density	: 0,88 g/cm ³ , 20 °C
Water solubility	: insoluble
Ignition temperature	: > 400 °C

9.2 Other information

Flow time	: < 12 s, 4 mm, DIN 53211
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10. Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	: No dangerous reaction known under conditions of normal use. There are no data available on the preparation itself.
---------------------	---

10.4 Conditions to avoid

Conditions to avoid	: Stable under recommended storage and handling conditions (See section 7).
---------------------	--

10.5 Incompatible materials

Materials to avoid	: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
--------------------	---

10.6 Hazardous decomposition products

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Hazardous decomposition products : When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

11.1 Information on toxicological effects

Further information : Exposure of vapour concentration in excess of the stated OEL's may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue muscular weakness, drowsiness and in extrem 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. The liquid splashed in the eyes may cause irritation and reversible damage.

Further information : The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : There are no data available on the preparation itself.

12.2 Persistence and degradability

Product:

Biodegradability : There are no data available on the preparation itself.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : There are no data available on the preparation itself.

12.4 Mobility in soil

Product:

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Mobility : There are no data available on the preparation itself.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Product:

Additional ecological information : There are no data available on the preparation itself.
: The product should not be allowed to enter drains or water courses.

13. Disposal considerations

13.1 Waste treatment methods

Product : The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

Waste key for the unused product : 080111 waste paint and varnish containing organic solvents or other dangerous substances

14. Transport information

ADR

UN Number : 1263
Description of the goods : PAINT RELATED MATERIAL
Class : 3
Packaging group : III
Classification Code : F1
Hazard identification No : 30
ADR/RID-Labels : 3
Tunnel restriction code : Tunnelcode D/E
Environmentally hazardous : no
Special Provision 640E

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IMDG

Substance No. : UN 1263
Description of the goods : PAINT RELATED MATERIAL
Class : 3
Packaging group : III
IMDG-Labels : 3
EmS Number : F-E, S-E
Marine pollutant : no

IATA

UN Number : 1263
Description of the goods : PAINT RELATED MATERIAL
Class : 3
Packaging group : III
ICAO-Labels : 3
Packing instruction (cargo aircraft) : 366
Environmentally hazardous : no
Packing instruction (passenger aircraft) : 355
Packing instruction (passenger aircraft) : Y344

Other information : If transported within the user's premises: To be transported always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of conduct in case of incident or spillage.

15. Regulatory information

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

Directive 99/13/EC : VOC content excluding water:
100 %
880 g/l

Other regulations : The information given in this material safety data sheet does not release the user from its duty of risk assessment and control in the work place defined in other health and safety law., Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical Safety Assessment

16. Other information

Full text of R-phrases referred to under sections 2 and 3

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Bank Name	Ort	Kto.-Nr.	BLZ	BIC	IBAN
Deutsche Bank	Hamburg	600227300	200 700 00	DEUTDE33HAN30	DE58 2007 0000 0600 2273 00
HypoVereinsbank	Hamburg	59273300	200 300 00	HYVEDE33HAN30	DE34 2003 0000 0059 2733 00
Postbank	Hamburg	373205	200 100 20	PBANKDE33HAN30	DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442
Persönlich haftende Gesellschafterin:
Graum Gebr. Beteiligungs-GmbH
Sitz/Registriergericht Hamburg: HRB 17189
Geschäftsführender Gesellschafter:
Michael O. Grau
Bureau Veritas
Certification:
ISO 9001,
TS 16949,
EN 9100



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: NEXTEL-Verdünner / Thinner 8061
Quality No.: 9010300000000

Revision Date 07.11.2011
Print Date 25.09.2012
Version 4

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Further information

Other information : This safety datasheet complies with the requirements of regulation (EC) No 1907/2006(453/2010).

Department issuing safety data sheet

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