

Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name : ALEXIT-Decklack 471-36 RAL 9018 papyrusweiß matt  
Use of the Substance/Mixture : Industrial serial painting  
Company : Mankiewicz Coatings L.L.C  
415 Jessen Lane  
Charleston, South Carolina 29492  
USA  
Telephone : +1 (843) 6547755  
Emergency Telephone : CHEMTREC +1 (800) 4249300 or +1 (703) 5273887

**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**Warning**  
Form: liquid, Color: according product name, Odor: characteristic  
OSHA Hazards : FLAMMABLE LIQUID  
CARCINOGEN  
TOXIC BY INHALATION.  
HARMFUL BY SKIN ABSORPTION.  
MODERATE SKIN IRRITANT  
MODERATE RESPIRATORY IRRITANT

**Potential Health Effects**

Inhalation : Harmful if inhaled.  
May cause respiratory tract irritation.  
Skin : May be harmful if absorbed through skin.  
May cause skin irritation.  
Eyes : No information regarding eye irritation.  
Ingestion : May cause vomiting.  
Chronic Exposure : Suspect cancer hazard - contains material which may cause cancer.  
Symptoms of Overexposure : No information available.

**Carcinogenicity:**

**IARC** Group 2B: Possibly carcinogenic to humans  
ethylbenzene 100-41-4

**OSHA** No ingredient of this product present at levels greater than or

Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

<b>NTP</b>	equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>ACGIH</b>	Confirmed animal carcinogen with unknown relevance to humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.
	ethylbenzene 100-41-4

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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

**Hazardous ingredients**

Component	CAS-No.	Weight %
Hydrocarbons, C9, aromatics	64742-95-6	5.00 - 12.50
Solvent naphtha (petroleum), light arom.	64742-95-6	5.00 - 12.50
xylene	1330-20-7	1.00 - 5.00
BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL)SEBACATE	41556-26-7	0.25 - 0.50
Mengsel van a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyfenyl)propionyl-?-hydroxypoly(oxyethyleen) en a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyfenyl)propionyl-?-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyfenyl)propionyloxypoly(oxyethyleen)		0.25 - 0.50
METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE	82919-37-7	0.10 - 0.25



Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

n-butyl acetate	123-86-4	5.00 - 12.50
Substances with a workplace exposure limit		
n-butyl acetate	123-86-4	10.00 - 30.00
Hydrocarbons, C9, aromatics	64742-95-6	5.00 - 10.00
Solvent naphtha (petroleum), light arom.	64742-95-6	5.00 - 10.00
xylene	1330-20-7	1.00 - 5.00
ethylbenzene	100-41-4	0.10 - 1.00

**SECTION 4. FIRST AID MEASURES**

**First aid procedures**

- 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.

**Notes to physician**

- Symptoms : No information available.
- Treatment : No information available.

**SECTION 5. FIRE-FIGHTING MEASURES**

**Flammable properties**

Flash point : 93 °F (34 °C)

Method: ISO 2719

- Ignition temperature : > 752 °F (> 400 °C)
Lower explosion limit : 1 %(V)
Upper explosion limit : 10 %(V)

Fire fighting

- Suitable extinguishing media : Alcohol resistant foam, CO2, powders, water spray
Unsuitable extinguishing media : High volume water jet
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!!

Protective equipment and precautions for firefighters

- Specific hazards during fire fighting : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
Special protective equipment for fire-fighters : As in any fire, wear self-contained breathing apparatus pressure - demand, MSHA / NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Exclude sources of ignition and ventilate the area. Do not inhale vapors. 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 containment / 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.

SECTION 7. HANDLING AND STORAGE

Handling

- Handling : Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor 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

Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

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.  
Vapors are heavier than air and may spread along floors.  
Vapors 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 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 oxidizing agents and strongly acid or alkaline materials.

Storage temperature : 41 - 95 °F (5 - 35 °C)

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

**Ingredients with workplace control parameters**

Ingredients Source	Value	Control parameters
<b>n-butyl acetate CAS-No.123-86-4</b>		
ACGIH	TWA	150 ppm
ACGIH	STEL	200 ppm
NIOSH REL	ST	200 ppm 950 mg/m3
NIOSH REL	TWA	150 ppm 710 mg/m3
OSHA P1	TWA	150 ppm 710 mg/m3
OSHA P0	TWA	150 ppm 710 mg/m3



# Material Safety Data Sheet



Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

OSHA P0	STEL	200 ppm 950 mg/m3
<b>xylene CAS-No.1330-20-7</b>		
ACGIH	TWA	100 ppm
ACGIH	STEL	150 ppm
OSHA P1	TWA	100 ppm 435 mg/m3
OSHA P0	TWA	100 ppm 435 mg/m3
OSHA P0	STEL	150 ppm 655 mg/m3
<b>n-butyl acetate CAS-No.123-86-4</b>		
ACGIH	TWA	150 ppm
ACGIH	STEL	200 ppm
NIOSH REL	ST	200 ppm 950 mg/m3
NIOSH REL	TWA	150 ppm 710 mg/m3
OSHA P1	TWA	150 ppm 710 mg/m3
OSHA P0	TWA	150 ppm 710 mg/m3
OSHA P0	STEL	200 ppm 950 mg/m3
<b>xylene CAS-No.1330-20-7</b>		
ACGIH	TWA	100 ppm
ACGIH	STEL	150 ppm
OSHA P1	TWA	100 ppm 435 mg/m3
OSHA P0	TWA	100 ppm 435 mg/m3
OSHA P0	STEL	150 ppm 655 mg/m3
<b>ethylbenzene CAS-No.100-41-4</b>		
ACGIH	TWA	100 ppm
ACGIH	STEL	125 ppm
OSHA P1	TWA	100 ppm 435 mg/m3
OSHA P0	TWA	100 ppm 435 mg/m3
OSHA P0	STEL	125 ppm 545 mg/m3
<b>formaldehyde CAS-No.50-00-0</b>		
ACGIH	C	0.3 ppm
OSHA P1		
OSHA Z2		
OSHA P0		
<b>Carbon black CAS-No.1333-86-4</b>		
ACGIH	TWA	3.5 mg/m3
OSHA P1	TWA	3.5 mg/m3
OSHA P0	TWA	3.5 mg/m3
NIOSH REL	TWA	3.5 mg/m3



Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

**Immediately Dangerous to Life or Health Concentrations (IDLH)**

Substance name	CAS-No.	Control parameters	Update
xylene	1330-20-7	Immediately Dangerous to Life or Health Concentration Value 900 parts per million	1995-03-01
n-butyl acetate	123-86-4	Immediately Dangerous to Life or Health Concentration Value 1700 parts per million	1995-03-01
		Immediately Dangerous to Life or Health Concentration Value 1700 parts per million	1995-03-01
xylene	1330-20-7	Immediately Dangerous to Life or Health Concentration Value 900 parts per million	1995-03-01
ethylbenzene	100-41-4	Immediately Dangerous to Life or Health Concentration Value 800 parts per million	1995-03-01

**Engineering measures**

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 vapors concentration below the OEL, suitable respiratory protection must be worn.

**Personal protective equipment**

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 vapor 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 vapor concentration has fallen below the exposure limits.

Eye protection : Use safety glasses or face shield (ANSI Z87.1 or approved equivalent).

Hand protection : Glove permeation data does not exist for this material.  
The following glove(s) should be used for splash protection only:  
Appropriate material: nitrile

Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

- Skin and body protection : Personal should wear protective clothing as necessary to prevent skin contact. All parts of the body should be washed after contact.
- Respiratory protection : If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Use MSHA/NIOSH approved respirator if concentration exceeds recommended exposure levels. Dry grinding, torch cutting and/or welding however can produce hazardous dust and/or vapor. If possible, machine employing a wet medium. Where practicable, install exhaust hoods to improve capture of vapors and fumes and avoid exposition; otherwise wear respiratory protection equipment.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

- Form : liquid
- Color : according product name
- Odor : characteristic

**Safety data**

- Flash point : 93 °F (34 °C)  
Method: ISO 2719
- Ignition temperature : > 752 °F (> 400 °C)
- Lower explosion limit : 1 %(V)
- Upper explosion limit : 10 %(V)
- Boiling point/boiling range : ca. 248 °F (120 °C)
- Vapor pressure : ca. 100 hPa (75 mmHg)  
at 122 °F (50 °C)
- Density : 11.7 lb/gal (1.4 g/cm3)  
at 68 °F (20 °C)
- Water solubility : Note: insoluble
- Flow time : 151 s  
4 mm  
Method: DIN 53211
- : 101 s  
6 mm  
Method: ISO 2431



Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

: > 101 s  
6 mm  
Method: ISO 2431

**SECTION 10. STABILITY AND REACTIVITY**

- Conditions to avoid : Remarks: Stable under recommended storage and handling conditions (See section 7).
- Materials to avoid : Remarks: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- Hazardous decomposition products : Note: When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.
- Hazardous reactions : No dangerous reaction known under conditions of normal use. There are no data available on the preparation itself.

**SECTION 11. TOXICOLOGICAL INFORMATION**

- Acute dermal toxicity : Acute toxicity estimate  
Dose: > 2,000 mg/kg  
Method: Calculation method
- Acute inhalation toxicity : Acute toxicity estimate  
Exposure time: 4 h  
Dose: > 20 mg/l  
Method: Calculation method
- Acute inhalation toxicity : Component: Hydrocarbons, C9, aromatics (CAS-No.: 64742-95-6)  
Remarks: Lung irritation  
  
Component: Hydrocarbons, C9, aromatics (CAS-No.: 64742-95-6)  
Remarks: Lung irritation
- Further information : Exposure of vapor 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.



Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

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).

## **SECTION 12. ECOLOGICAL INFORMATION**

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

## **SECTION 13. DISPOSAL CONSIDERATIONS**

- Further information : 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.
- Dispose of in accordance with local regulations.
- 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.

## **SECTION 14. TRANSPORT INFORMATION**

### **DOT**

- UN number : 1263  
Description of the goods : PAINT  
Class : 3  
Packing group : III  
Labels : 3  
Environmentally hazardous : no

### **IATA**

- UN number : 1263  
Description of the goods : PAINT  
Class : 3  
Packing group : III  
Labels : 3  
Packing instruction (cargo aircraft) : 366  
Packing instruction : 355



Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

(passenger aircraft)  
Packing instruction (LQ) : Y344  
Environmentally hazardous : no

**IMDG**

UN number : 1263  
Description of the goods : PAINT  
Class : 3  
Packing group : III  
Labels : 3  
EmS Number 1 : F-E  
EmS Number 2 : S-E

Marine pollutant : no  
Environmentally hazardous : no

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.

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)  
Receptacles with less than 450 litres capacity, are not subject to ADR (see ADR 2.2.3.1.5)

**SECTION 15. REGULATORY INFORMATION**

**OSHA Hazards** : Flammable Liquid, Carcinogen, Toxic by inhalation., Harmful by skin absorption., Moderate skin irritant, Moderate respiratory irritant

**TSCA Status** : y (positive listing)  
All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard  
Chronic Health Hazard

**Clean Air Act Ozone-Depletion Potential** : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**Clean Water Act**  
The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:  
n-butyl acetate 123-86-4

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

n-butyl acetate 123-86-4

**EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW**

**SARA 302 Reportable Quantity** : The following components are subject to reporting levels established by SARA Title III, Section 302:

formaldehyde 50-00-0 lbs

**SARA 313 Ingredients** : Xylene 1330-20-7  
ethylbenzene 100-41-4

**US CAA HAP** The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

xylene	1330-20-7	1.0421 %
Chromium (III) oxide	1308-38-9	0.28 %
ethylbenzene	100-41-4	0.1794 %
formaldehyde	50-00-0	0.0067 %

**CAA112(r)** The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

formaldehyde 50-00-0 0.0067 %

**CAA111** The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489):

n-butyl acetate	123-86-4	10.3029 %
xylene	1330-20-7	1.0421 %
ethylbenzene	100-41-4	0.1794 %
2-methylpropan-1-ol	78-83-1	0.0318 %
formaldehyde	50-00-0	0.0067 %

**US State Regulations**

**Massachusetts Right To Know Ingredients** : butyl acetate 123-86-4

Xylene 1330-20-7

Chromium (III) oxide 1308-38-9

formaldehyde 50-00-0

**Pennsylvania Right To Know Ingredients** : butyl acetate 123-86-4

Xylene 1330-20-7

ethylbenzene 100-41-4

2-methylpropan-1-ol 78-83-1

formaldehyde 50-00-0

Propan-2-ol 67-63-0



Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

**New Jersey Right To Know Ingredients** : butyl acetate 123-86-4  
Xylene 1330-20-7  
ethylbenzene 100-41-4

**California Prop. 65 Ingredients** : WARNING! This product contains a chemical known in the State of California to cause cancer.  
ethylbenzene 100-41-4  
Carbon black 1333-86-4  
formaldehyde 50-00-0

**US Federal Regulations**

Volatile organic compounds (VOC) content : VOC content excluding water: 3.2 lb/gal (0.4 g/cm3)

**US Federal Regulations**

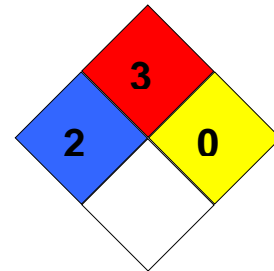
: VOC content excluding water: 3.18 lb/gal (0.38 g/cm3)

**SECTION 16. OTHER INFORMATION**

**Further information**

**HMIS Classification** : Flammability: 3

**NFPA Classification** : Health Hazard: 2  
Fire Hazard: 3  
Reactivity Hazard: 0



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 Material 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.

# Material Safety Data Sheet



Product Name: ALEXIT-Decklack 471-36  
Product No.: 471369018W000

Revision Date 06/11/2014  
Print Date 06/11/2014

Version 1

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21107 Hamburg (Wilhelmsburg)  
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Fax: +49 (0) 40 / 75 10 33 75  
www.mankiewicz.de

Bank Name	Ort	Kto.-Nr.	BLZ	BIC	IBAN
Deutsche Bank	Hamburg	600227300	200 700 00	DEUTDE33HAN	DE58 2007 0000 0600 2273 00
HypoVereinsbank	Hamburg	59273300	200 300 00	HYVEDE33HAN	DE34 2003 0000 0059 2733 00
Postbank	Hamburg	373205	200 100 20	PNKDEFF20	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

