

Commercial Product Name: ALEXIT-BladeRep Thinner 12  
Quality No.: 9021300000000

Revision Date 07/03/2010  
Print Date 07/06/2010

Version 1

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name : ALEXIT-BladeRep Thinner 12

Use of the Substance/Mixture : Industrial serial painting

Company : Mankiewicz Coatings L.L.C  
415 Jessen Lane  
Charleston, South Carolina 29492  
USA

Telephone : +1 843 654-7755  
Emergency telephone : CHEMTREC 800-424-9300 or 703-527-3887

## SECTION 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### Warning

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

OSHA Hazards : FLAMMABLE LIQUID  
HARMFUL BY INGESTION.  
MILD SKIN IRRITANT

### Potential Health Effects

Inhalation : Causes headache, drowsiness or other effects to the central nervous system.

Skin : May cause skin irritation.  
Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and possible blistering.

Eyes : No information regarding eye irritation.

Ingestion : Harmful if swallowed.

### Carcinogenicity:

#### IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### NTP

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.

#### ACGIH

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen

Commercial Product Name: ALEXIT-BladeRep Thinner 12  
Quality No.: 9021300000000

Revision Date 07/03/2010  
Print Date 07/06/2010

Version 1

by ACGIH.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Paint auxiliary agent in a mixture of organic solvents

### Hazardous ingredients

Component	CAS-No.	Weight %
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.	64742-94-5	30.00 - 60.00
PENTANE-2,4-DIONE	123-54-6	10.00 - 30.00
Butylacetate	123-86-4	5.00 - 10.00

## 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.

## SECTION 5. FIRE-FIGHTING MEASURES

### Flammable properties

- Flash point : 81 °F (27 °C)  
Method: ISO 2719
- Ignition temperature : > 752 °F (> 400 °C)
- Lower explosion limit : 1.0 %(V)

Commercial Product Name: ALEXIT-BladeRep Thinner 12  
Quality No.: 9021300000000

Revision Date 07/03/2010  
Print Date 07/06/2010

Version 1

Upper explosion limit : 10.0 %(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 application area.  
Observe specific national regulations for handling and use of paints.

Advice on protection against : The product should only be used in areas from which all

Commercial Product Name: ALEXIT-BladeRep Thinner 12  
Quality No.: 9021300000000

Revision Date 07/03/2010  
Print Date 07/06/2010

Version 1

fire and explosion

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>Butylacetate CAS-No.123-86-4</b>		
ACGIH	TWA	150 ppm
ACGIH	STEL	200 ppm
OSHA P1	TWA	150 ppm 710 mg/m3
OSHA P0	TWA	150 ppm 710 mg/m3
OSHA P0	STEL	200 ppm 950 mg/m3

### 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.



Commercial Product Name: ALEXIT-BladeRep Thinner 12  
Quality No.: 9021300000000

Revision Date 07/03/2010  
Print Date 07/06/2010

Version 1

## 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
- 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.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

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

### Safety data

- Flash point : 81 °F (27 °C)  
Method: ISO 2719
- Ignition temperature : > 752 °F (> 400 °C)
- Lower explosion limit : 1 %(V)
- Upper explosion limit : 10.0 %(V)



Commercial Product Name: ALEXIT-BladeRep Thinner 12  
Quality No.: 9021300000000

Revision Date 07/03/2010  
Print Date 07/06/2010

Version 1

Boiling point/boiling range : ca. 212 °F (100 °C)

Vapor pressure : ca. 100 hPa (75 mmHg)  
at 122 °F (50 °C)

Density : ca. 7.720 lb/gal (0.925 g/cm<sup>3</sup>)  
at 68 °F (20 °C)

Water solubility : Note: insoluble

Flow time : < 12 s  
4 mm  
Method: DIN 53211

## 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.

## SECTION 11. TOXICOLOGICAL INFORMATION

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.

## SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : There are no data available on the preparation itself.

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

Commercial Product Name: ALEXIT-BladeRep Thinner 12  
Quality No.: 9021300000000Revision Date 07/03/2010  
Print Date 07/06/2010

Version 1

**SECTION 13. DISPOSAL CONSIDERATIONS**

Further information : Dispose of in accordance with local regulations.

**SECTION 14. TRANSPORT INFORMATION****DOT**

UN-Number : 1992  
Description of the goods : FLAMMABLE LIQUID, TOXIC, N.O.S.  
(2,4-PENTANDIONE, butyl acetate)  
Class : 3  
Packing group : III  
Labels : 3 (6.1)

**IATA**

UN-Number : 1992  
Description of the goods : FLAMMABLE LIQUID, TOXIC, N.O.S.  
(2,4-PENTANDIONE, butyl acetate)  
Class : 3  
Packing group : III  
Labels : 3 (6.1)  
Packing instruction (cargo aircraft) : 310  
Packing instruction (passenger aircraft) : 309  
Packing instruction (passenger aircraft) : Y309

**IMDG**

UN-Number : 1992  
Description of the goods : FLAMMABLE LIQUID, TOXIC, N.O.S.  
(2,4-PENTANDIONE, butyl acetate)  
Class : 3  
Packing group : III  
Labels : 3 (6.1)  
EmS Number 1 : F-E  
EmS Number 2 : S-D

Marine pollutant : 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.

**SECTION 15. REGULATORY INFORMATION**

**OSHA Hazards** : Flammable Liquid, Harmful by ingestion., Mild skin irritant  
**TSCA Status** : y (positive listing)  
All of the components of this product are either listed in the TSCA inventory or are not subject to the notification



# Material Safety Data Sheet



Commercial Product Name: ALEXIT-BladeRep Thinner 12  
Quality No.: 9021300000000

Revision Date 07/03/2010  
Print Date 07/06/2010

Version 1

**SARA 311/312 Hazards** : requirements(exempt).  
: Fire Hazard  
: Acute 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).

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

**SARA 302 Reportable  
Quantity** : SARA 302: No chemicals in this material are subject to the  
reporting requirements of SARA Title III, Section 302.

**US CAA HAP** : This product does not contain any hazardous air pollutants  
(HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR  
61).

## US State Regulations

**Massachusetts Right To  
Know Ingredients** : butyl acetate 123-86-4  
2,4-PENTANDIONE 123-54-6

**Pennsylvania Right To  
Know Ingredients** : butyl acetate 123-86-4  
2,4-PENTANDIONE 123-54-6

**New Jersey Right To  
Know Ingredients** : butyl acetate 123-86-4  
2,4-PENTANDIONE 123-54-6

**California Prop. 65  
Ingredients** : This product does not contain any chemicals known to the State  
of California to cause cancer, birth, or any other reproductive  
defects.

## US Federal Regulations

**Volatile organic compounds  
(VOC) content** : VOC content excluding water:  
2.00 lb/gal (0.24 g/cm3)

This product has been classified according to the hazard criteria of the CPR and the MSDS  
contains all of the information required by the CPR.

## SECTION 16. OTHER INFORMATION

### Further information

**HMIS Classification** : Health Hazard: 1  
Flammability: 3  
Physical hazards: 0



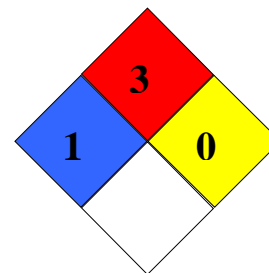


Commercial Product Name: ALEXIT-BladeRep Thinner 12  
Quality No.: 9021300000000

Revision Date 07/03/2010  
Print Date 07/06/2010

Version 1

**NFPA Classification** : Health Hazard: 1  
Fire Hazard: 3  
Reactivity Hazard: 0



## Department issuing safety data sheet

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