

# SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006



Commercial Product Name: ALEXIT-Activated Thinner 903-47  
Quality No.: 9034700000000

Revision Date 28.02.2008  
Print Date 28.02.2008

Version 2

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

### Product information

Trade name : ALEXIT-Activated Thinner 903-47 farblos / transparent

Use of the Substance/Preparation : 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

Symbol(s) : Xn Harmful

R-phrase(s) : R10 Flammable.  
R20/22 Harmful by inhalation and if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture of organic solvents, halogen-free

### Hazardous components

Chemical Name	CAS/EC/Index No.	Classification	Concentration[%]
METHYLISOAMYL KETONE	110-12-3 203-737-8 606-026-00-4	R10 - Xn; R20	>= 25 - < 50
PENTANE-2,4-DIONE	123-54-6 204-634-0 606-029-00-0	R10 - Xn; R22	>= 25 - < 50
3-METHOXYBUTYL ACETATE	4435-53-4 224-644-9 -	Xi; R36	>= 12,5 - < 20
PROPYLENE CARBONATE	108-32-7 203-572-1 607-194-00-1	Xi; R36	>= 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

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Postbank Hamburg 373205 200 100 20 PBNKDE33HAN DE85 2001 0020 0000 3732 05

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

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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 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
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METHYLISOAMYL KETONE CAS-No.110-12-3				
Occupational Exposure Standards (OESs) / EH40	20 ml/m3 95 mg/m3			Sk
2000/39/EC	20 ml/m3 95 mg/m3			

## 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

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

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Postbank	Hamburg	373205	200 100 20	PNBKDE33HAN	DE85 2001 0020 0000 3732 05

Sitz/Registergericht Hamburg: HRA 42442  
Bureau Veritas Certification:  
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Sitz/Registrierungsgericht Hamburg: HRB 17189  
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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

Flash point : 27 °C  
Ignition temperature : > 400 °C  
Lower explosion limit : 1,0 %(V)  
Upper explosion limit : 10,0 %(V)  
Vapour pressure : appr. 100 hPa  
at 50 °C  
Density : appr. 0,9 g/cm<sup>3</sup>  
at 20 °C  
Water solubility : Note: insoluble  
Flow time : 12 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



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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. 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

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

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 : 1992  
Description of the goods : FLAMMABLE LIQUID, TOXIC, N.O.S. (METHYLISOAMYL KETONE, 2,4-PENTANDIONE)  
Class : 3  
Packaging group : III  
Classification Code : FT1  
Hazard identification No : 36  
Labels : 3 (6.1)

**IMDG**  
Substance No. : UN 1992

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(METHYLISOAMYL KETONE, 2,4-PENTANDIONE)  
Class : 3  
Packaging group : III  
IMDG-Labels : 3 (6.1)  
EmS Number : F-E, S-D  
Marine pollutant : no

## IATA

UN Number : 1992  
Description of the goods : FLAMMABLE LIQUID, TOXIC, N.O.S.  
(METHYLISOAMYL KETONE, 2,4-PENTANDIONE)  
Class : 3  
Packaging group : III  
ICAO-Labels : 3 (6.1)  
Packing instruction (cargo aircraft) : 310  
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.

## 15. REGULATORY INFORMATION

### Labelling according to EC Directives 1999/45/EC

Symbol(s) : Xn Harmful  
R-phrase(s) : R10 Flammable.  
R20/22 Harmful by inhalation and if swallowed.  
S-phrase(s) : S23 Do not breathe vapour/spray.  
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.

### Hazardous components which must be listed on the label:

METHYLISOAMYL KETONE  
PENTANE-2,4-DIONE

Directive 99/13/EC : VOC content excluding water:  
95,73 %  
861,53 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

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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.

## 16. OTHER INFORMATION

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

R10	Flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R36	Irritating to eyes.

### Further information

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

### Department issuing safety data sheet

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