

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Liquid Dynamite #04 / PRE-SHAVE SOLUTION

Print date: 09.03.2016

Product code: 51

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

#### Identification of the substance or mixture

Liquid Dynamite #04 / PRE-SHAVE SOLUTION

#### Company/undertaking identification

### 2. Hazards identification

#### Classification

Indications of danger: F - Highly flammable, Xi - Irritant

R phrases:

Highly flammable.

Irritating to eyes.

Vapours may cause drowsiness and dizziness.

GHS:

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

### 3. Composition/information on ingredients

#### Chemical characterization ( Mixture )

Alcoholic solution

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	< 70 %
67-63-0	F - Highly flammable, Xi - Irritant R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

Full text of R-, H- and EUH-phrases: see section 16.

### 4. First aid measures

#### General information

Take off immediately all contaminated clothing.

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

#### After inhalation

Remove casualty to fresh air and keep warm and at rest.

#### After contact with skin

No special measures are necessary.

#### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

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### After ingestion

Let water be swallowed in little sips (dilution effect).  
Immediately get medical attention.

### Advice to doctor

Treat symptomatically.

## 5. Fire-fighting measures

### Suitable extinguishing media

alcohol resistant foam. dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Water spray.

### Extinguishing media which must not be used for safety reasons

High power water jet.

### Special exposure hazards arising from substance or mixture itself, combustion products, resulting gases

Can be released in case of fire:  
Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

### Special protective equipment for fire-fighters

Wear a self-contained breathing apparatus and chemical resistant suit.

### Additional information

Use water spray/stream to protect personnel and to cool endangered containers.  
Move undamaged containers from immediate hazard area if it can be done safely.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. Accidental release measures

### Personal precautions

Wear respiratory protection when in the presence of vapour, dust, and aerosols.  
Provide adequate ventilation.  
Remove all sources of ignition.

### Environmental precautions

Do not empty into drains or the aquatic environment.  
Do not allow to enter into soil/subsoil.

### Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Remove mechanically, placing in appropriate containers for disposal.

### Additional information

See section 8 for more information on appropriate personal protection equipment.  
See section 13 for further information about waste treatment.

## 7. Handling and storage

### Handling

#### Advice on safe handling

Provide for sufficient ventilation and punctiform suction at critical points.  
Do not eat, drink, smoke or sneeze at the workplace.  
Conditions to avoid: Eye contact.

#### Advice on protection against fire and explosion

Only use material in places where open light, fire and other sources of ignition can be kept away.  
Take precautionary measures against static discharges.

#### Further information on handling

Vapours may form explosive mixtures with air.

### Storage

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### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

### Advice on storage compatibility

Do not store together with: Oxidizing agents.

### Further information on storage conditions

Do not store together with: Food and animal feedingstuff.

Storage class (D): 3 (Entzündbare Flüssigkeiten)

### Specific use(s)/replacement product(s)

Cosmetics.

## 8. Exposure controls/personal protection

### Exposure limit values

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

### Exposure controls

#### Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.

To the workplace adapted usual working clothes.

Wash contaminated clothing prior to re-use.

#### Respiratory protection

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn. Filter respirator with filter or ventilator type: A (EN 14387)

#### Hand protection

Tested protective gloves are to be worn: Butyl rubber.

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

#### Eye protection

Safety glasses with side shields.

#### Skin protection

To the workplace adapted usual working clothes.

## 9. Physical and chemical properties

### General information

Physical state: Flüssig  
Colour: Farblos  
Odour: Alkoholartig

### Important health, safety and environmental information

Test method

#### Changes in the physical state

Initial boiling point and boiling range: ca. 83 °C

Flash point: 18 °C DIN 51755

Lower explosion limits: 2 vol. %

Upper explosion limits: 12 vol. %

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Vapour pressure:  
(at 20 °C) ca. 41 hPa  
Density (at 20 °C): < 1 g/cm<sup>3</sup>  
Solvent content: < 70 %

### Other information

No further information.

## 10. Stability and reactivity

### Conditions to avoid

In case of warming: - Formation of: Gas/vapours, flammable.

### Materials to avoid

Oxidizing agents. Alkali metals. Alkaline earth metals.

### Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

## 11. Toxicological information

### Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself. Toxicological data are not available.

### Acute toxicity

CAS No	Chemical name	Exposure routes	Method	Dose	Species	h
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute oral toxicity		LD50	4570 mg/kg	Ratte	
	Acute dermal toxicity		LD50	>2000 mg/kg	Kaninchen	
	Acute inhalation toxicity		LC50	30 mg/l	Ratte	4

### Empirical data on effects on humans

No information available.

## 12. Ecological information

### Ecotoxicity

The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see chapter 3).

### Mobility

There are no data available on the mixture itself.

### Persistence and degradability

Easily biodegradable (concerning to the criteria of the OECD)

### Bioaccumulative potential

There are no data available on the mixture itself.

### Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

### Other adverse effects

There are no data available on the mixture itself.

## 13. Disposal considerations

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### Advice on disposal

Remove according to the regulations.

### Waste disposal number of waste from residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors  
Classified as hazardous waste.

### Contaminated packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.  
Packing which cannot be properly cleaned must be thrown away.

## 14. Transport information

### Land transport (ADR/RID)

UN number:	1219
ADR/RID class:	3
Classification code:	F1
Warning plate	
Hazard No:	33
Hazard label:	3
ADR/RID packing group:	II
Limited quantity:	1 L
Tunnel restriction code:	D/E

### Description of the goods

ISOPROPANOL (ISOPROPYL ALCOHOL)

### Inland waterways transport (ADN)

UN number:	1219
ADNR class:	3
Classification code:	F1
Hazard label:	3
Packing group:	II
Limited quantity:	1 L

### Description of the goods

ISOPROPANOL (ISOPROPYL ALCOHOL)

### Marine transport (IMDG)

UN number:	1219
IMDG code:	3
Hazard label:	3
IMDG packing group:	II
EmS:	F-E, S-D
Limited quantity:	1 L

### Description of the goods

ISOPROPANOL (ISOPROPYL ALCOHOL)

### Air transport (ICAO)

UN/ID number:	1219
ICAO/IATA-DGR:	3
Hazard label:	3
ICAO packing group:	II

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Limited quantity Passenger:	1 L
IATA-packing instructions - Passenger:	353
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	364
IATA-max. quantity - Cargo:	60 L

### Description of the goods

ISOPROPANOL (ISOPROPYL ALCOHOL)

## 15. Regulatory information

### Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### GHS labelling

Signal word:	Danger
Pictograms:	flame; exclamation mark

### Hazard statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

### Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use ... to extinguish.
P235	Keep cool.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to ....

### EU regulatory information

1999/13/EC (VOC): 62,8 %

### Additional information

Volatile organic compounds (VOC) in percentage by weight: 62,8 %.

### National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

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Water contaminating class (D): 1 - slightly water contaminating

### 16. Other information

#### Relevant R-phrases (Number and full text)

- 11 Highly flammable.
- 36 Irritating to eyes.
- 67 Vapours may cause drowsiness and dizziness.

#### Relevant H- and EUH-phrases (Number and full text)

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*