

Safety Data Sheet

according to Regulation (EC) No 1907/2006

MANORAPID BASIC

Print date: 02.03.2012

Product code: 1169-mano-bas

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Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
200-661-7	propan-2-ol	60 - 65 %
67-63-0	F, Xi R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
200-746-9	propan-1-ol	10 - 15 %
71-23-8	F, Xi R11-41-67	
603-003-00-0	Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336	

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

SECTION 4: First aid measures**Description of first aid measures****General information**

Move out of dangerous area.

After inhalation

Move to fresh air. Clean mouth with water and drink afterwards plenty of water.

After contact with skin

Following contact with large areas of skin (accident):

Wash off with warm water and soap. Remove contaminated clothing and shoes.

After contact with eyes

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.

Indication of any immediate medical attention and special treatment needed

Therapy as in case of acute ethanol intoxication.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which must not be used for safety reasons

High volume water jet

Special hazards arising from the substance or mixture

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Additional information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Keep people away from and upwind of spill/leak. Remove all sources of ignition.

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Environmental precautions

Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Do not contaminate surface water.

Methods and material for containment and cleaning up

Soak up with inert absorbent material. Sweep up or vacuum up spillage and collect in suitable container for disposal.

Reference to other sections

Pay attention to flashback. Remove all sources of ignition.

SECTION 7: Handling and storage**Precautions for safe handling****Advice on safe handling**

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

Advice on protection against fire and explosion

Keep product and empty container away from heat and sources of ignition. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Do not smoke.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

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

Advice on storage compatibility

Do not store together with oxidizing and self-igniting products.

SECTION 8: Exposure controls/personal protection**Control parameters****Exposure limits (EH40)**

CAS No	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
56-81-5	glycerol, mist	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
71-23-8	propan-1-ol	200	500		TWA (8 h)	WEL
		250	625		STEL (15 min)	WEL
67-63-0	propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Exposure controls**Occupational exposure controls**

Components with workplace control parameters

Protective and hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection

No personal respiratory protective equipment normally required.

Hand protection

Preventive skin protection

Eye protection

Avoid contact with eyes.

Skin protection

No special protective equipment required.

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SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Physical state: liquid
 Colour: colourless
 Odour: alcohol-like

Test method

pH-Value (at 20 °C): approx. 6

Changes in the physical state

Boiling point: 83 - 100 °C
 Flash point: 21 °C 51755
 Vapour pressure: 31 hPa calcul.
 (at 20 °C)
 Density (at 20 °C): approx. 0,85 g/cm³
 Water solubility: miscible

SECTION 10: Stability and reactivity**Conditions to avoid**

Heat, flames and sparks.

Incompatible materials

Strong oxidizers, alkali metals and alkaline earth metals may cause fires or explosions.

Hazardous decomposition products

Stable under recommended storage conditions. Heating can release vapours which can be ignited.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

LD50/oral/rat = approx. 3.000 mg/kg (Information given is based on data on the components and the toxicology of similar products. ADR 2.2.61.1.10.2)

Specific effects in experiment on an animal

No data is available on the product itself.

Irritation and corrosivity

Eye irritation

Sensitising effects

No sensitisation responses were observed.

Severe effects after repeated or prolonged exposure

Health injuries are not known or expected under normal use.

Carcinogenic/mutagenic/toxic effects for reproduction

Contains no ingredient listed as a carcinogen,
 Contains no ingredient listed as a mutagen,
 Contains no ingredient listed as toxic to reproduction

Further information

No persistent or cumulative effects were observed.

SECTION 12: Ecological information

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Toxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Persistence and degradability

Readily biodegradable, according to appropriate OECD test.

Mobility in soil

Ecological injuries are not known or expected under normal use.

Further information

Product does not contain any organic halogens.

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Can be disposed as waste water, when in compliance with local regulations.

Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Clean container with water.

Materials can be delivered to a plastics recycling facilities after cleaning.

SECTION 14: Transport information**Land transport (ADR/RID)**

UN number: 1987
UN proper shipping name: 1987 - Alcohols, n.o.s. (Isopropanol + n-Propanol, Solution)
Transport hazard class(es): 3
Packing group: II
 Hazard label: 3



Classification code: F1
 Special Provisions: 274, 601, 640D
 Limited quantity: 1 Liter
 Transport category: 2
 Hazard No: 33
 Tunnel restriction code: (D/E)

Marine transport

UN number: 1987
UN proper shipping name: 1987 - Alcohols, n.o.s. (Isopropanol + n-Propanol, Solution)
Transport hazard class(es): 3
Packing group: II

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Hazard label: 3



Marine pollutant: no
 Special Provisions: 274
 Limited quantity: 1 Liter
 EmS: F-E, S-D

Environmental hazards

Dangerous for the environment: no

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

1999/13/EC (VOC): Volatile organic compounds (VOC) content : 77,5 %

National regulatory information

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

Additional information

Use biocides safely. Always read the label and product information before use.

SECTION 16: Other information**Full text of R-phrases referred to under sections 2 and 3**

- 10 Flammable.
- 11 Highly flammable.
- 36 Irritating to eyes.
- 41 Risk of serious damage to eyes.
- 67 Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3

- H225 Highly flammable liquid and vapour.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

Further Information

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.

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