



Safety Data Sheet

SDS-0018

according to 29 CFR 1910.1200(g)

RMS1

Print date: 24.06.2015

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1. Identification**Product identifier**

RMS1

Details of the supplier of the safety data sheet

Company name: Hottinger Baldwin Messtechnik GmbH
Darmstadt

Street: Im Tiefen See 45

Place: D-64293 Darmstadt

Telephone: +49 (0)6151 803-0

e-mail: info@de.hbm.com

Internet: www.hbm.com

Responsible Department: Customer Care Center CCC +49 6151 803 0

Emergency phone number: +49(0)6131/19240

2. Hazard(s) identification**Classification of the chemical**

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 vapor
Causes serious eye irritation
May cause drowsiness or dizziness

Label elements

Signal word: Danger

Pictograms: flame; exclamation mark

**Hazard statements**

Highly flammable liquid and vapor
Causes serious eye irritation
May cause drowsiness or dizziness

Precautionary statements

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Keep away from heat. - No Smoking.
Wear protective gloves/protective clothing/eye protection/face protection.

3. Composition/information on ingredients**Mixtures**

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Hazardous components

CAS No	Components	Quantity
67-64-1	acetone	25-50%
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	25-50%

4. First-aid measuresDescription of first aid measures**General information**

Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position.

After inhalation

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Seek medical advice immediately.

5. Fire-fighting measuresExtinguishing media**Suitable extinguishing media**

Carbon dioxide (CO₂). Extinguishing powder. Water spray.
In case of major fire and large quantities: Water spray. alcohol resistant foam.

Unsuitable extinguishing media

High power water jet.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

6. Accidental release measuresPersonal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

Environmental precautions

Do not allow to enter into surface water or drains. Explosion hazard.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

7. Handling and storagePrecautions for safe handling



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Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Keep container tightly closed in a cool, well-ventilated place.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

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

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition.
- No smoking.

Advice on storage compatibility

Do not store together with: Food and feedingstuffs

8. Exposure controls/personal protection**Control parameters****Exposure limits**

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
67-64-1	Acetone	1000	2400		TWA (8 h)	PEL
		250	590		TWA (8 h)	REL
67-63-0	Isopropyl alcohol	400	980		TWA (8 h)	PEL
		400	980		TWA (8 h)	REL
		500	1225		STEL (15 min)	REL

Biological Exposure Indices (BEI-ACGIH)

CAS No.	Substance	Determinant	Value	Test material	Sampling time
67-63-0	2-PROPANOL	Acetone	40 mg/L	urine	End of shift at end of workweek
67-64-1	ACETONE	Acetone	50 mg/L	urine	End of shift

Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.



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Respiratory protection

In case of inadequate ventilation wear respiratory protection.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
(gas filtering equipment (EN 141). :A brown)

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state: liquid
Color: colourless
Odor: characteristic

Test method**Changes in the physical state**

Initial boiling point and boiling range: 55 °C
Flash point: -19 °C
Lower explosion limits: 2,0 vol. %
Upper explosion limits: 13,0 vol. %
Ignition temperature: 425 °C
Vapor pressure: 247 hPa
(at 20 °C)
Density (at 20 °C): 0,788 g/cm³
Solvent content: 100 %

10. Stability and reactivity**Conditions to avoid**

Keep away from heat. Ignition hazard.

11. Toxicological information**Information on toxicological effects****Acute toxicity**

CAS No	Components	Exposure routes	Method	Dose	Species	Source
67-64-1	acetone	oral	LD50	5800 mg/kg	Rat	RTECS
		dermal	LD50	20000 mg/kg	Rabbit	IUCLID
		inhalative (4 h) vapour	LC50	76 mg/l	Rat	

Irritation and corrosivity

Irritant effect on the skin: Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

Irritant effect on the eye: Irritant.

Severe effects after repeated or prolonged exposure

Has de-greasing effect on the skin. Frequently or prolonged contact with skin may cause dermal irritation.

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive



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(1999/45/EC).

12. Ecological information**Further information**

Do not allow to enter into surface water or drains.

13. Disposal considerations**Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

14. Transport information**Marine transport (IMDG)**

UN number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains Acetone)
Transport hazard class(es): 3
Packing group: II
Hazard label: 3



Limited quantity: 1 L
EmS: F-E, S-E

Air transport (ICAO)

UN number: UN1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (contains Acetone)
Transport hazard class(es): 3
Packing group: II
Hazard label: 3



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

15. Regulatory information**U.S. Regulations****National regulatory information**

SARA Section 304 CERCLA:

Acetone (67-64-1): Reportable quantity = 5,000 (2270) lbs. (kg)

SARA Section 311/312 Hazards:

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Acetone (67-64-1): Fire hazard, Immediate (acute) health hazard

Isopropyl alcohol (mfg-strong acid process) (67-63-0): Fire hazard, Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Isopropyl alcohol (mfg-strong acid process) (67-63-0): De minimis limit = 1.0 %, Reportable threshold = Standard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

Revision date: 21.05.2015

Revision No: 5,02

Other data

The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

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