

# ACETONE ALCOHOL DECOLOURIZER 50% SOLUTION MSDS



LABORATORY REAGENTS  
& FINE CHEMICALS

CAS No: MSDS

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Acetone Alcohol Decolourizer 50% Solution  
Product code : 00532  
Synonyms : Bleacher

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemicals, Manufacture of substances

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

LOBA CHEMIE PVT.LTD.  
107 Wode House Road, Jehangir Villa, Colaba  
400005 Mumbai - INDIA  
T +91 22 6663 6663 - F +91 22 6663 6699  
[info@lobachemie.com](mailto:info@lobachemie.com) - [www.lobachemie.com](http://www.lobachemie.com)

#### 1.4. Emergency telephone number

Emergency number : + 91 22 6663 6663 (9:00am - 6:00 pm)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2 H225  
Serious eye damage/eye irritation, Category 2 H319  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336

Full text of classification categories and H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

Signal word (CLP) :

Danger

Hazard statements (CLP) :

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

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P261 - Avoid breathing vapours, dust, fume, gas

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name     | Product identifier                                                  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                            |
|----------|---------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Acetone  | (CAS No) 67-64-1<br>(EC no) 200-662-2<br>(EC index no) 606-001-00-8 | 50 - 75 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336                                                                                |
| Methanol | (CAS No) 67-56-1<br>(EC no) 200-659-6<br>(EC index no) 603-001-00-X | 50 - 75 | Flam. Liq. 2, H225<br>Acute Tox. 3 (Dermal),<br>H311<br>Acute Tox. 3 (Inhalation),<br>H331<br>Acute Tox. 3 (Oral), H301<br>STOT SE 1, H370 |

Full text of H-phrases: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Call a POISON CENTER or doctor/physician.                                                                                                          |
| First-aid measures after inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                                               |
| First-aid measures after skin contact | : Immediately call a POISON CENTER or doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse.                 |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. |
| First-aid measures after ingestion    | : Rinse mouth. Obtain emergency medical attention.                                                                                                   |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Symptoms/injuries after inhalation  | : May cause drowsiness or dizziness. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation.     |

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                                    |
|--------------------------------|----------------------------------------------------|
| Suitable extinguishing media   | : Carbon dioxide. Dry powder. Foam. Water spray.   |
| Unsuitable extinguishing media | : Do not use extinguishing media containing water. |

#### 5.2. Special hazards arising from the substance or mixture

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Fire hazard      | : Flammable liquid and vapour. May cause or intensify fire; oxidizer. |
| Explosion hazard | : May form flammable/explosive vapour-air mixture.                    |

#### 5.3. Advice for firefighters

|                                |                                                                                                 |
|--------------------------------|-------------------------------------------------------------------------------------------------|
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |
|--------------------------------|-------------------------------------------------------------------------------------------------|

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

|                      |                                   |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

##### 6.1.2. For emergency responders

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Protective equipment | : Use personal protective equipment as required. |
| Emergency procedures | : Ventilate area.                                |

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

|                         |                                                                        |
|-------------------------|------------------------------------------------------------------------|
| Methods for cleaning up | : On land, sweep or shovel into suitable containers. Collect spillage. |
|-------------------------|------------------------------------------------------------------------|

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                               |                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Use only non-sparking tools. Avoid contact with skin and eyes. Do not breathe vapours. Keep away from sources of ignition - No smoking.                                   |
| Hygiene measures              | : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Keep in fireproof place.  
Incompatible materials : Heat sources.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Hand protection : Protective gloves  
Eye protection : Chemical goggles or safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Colour : Clear Colorless.  
Odour : No data available  
Odour threshold : 79.58 ppm  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : No data available  
Freezing point : -103.68 °C  
Boiling point : 56.2 - 67.1 °C  
Flash point : -18 °C  
Critical temperature : 235 °C  
Auto-ignition temperature : 363 °C  
Decomposition temperature : No data available  
Flammability (solid, gas) : Flammable  
Vapour pressure : 24 kPa  
Relative vapour density at 20 °C : 2.07  
Relative density : No data available

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|                      |                          |
|----------------------|--------------------------|
| Density              | : 0.79 g/cm <sup>3</sup> |
| Relative gas density | : 1.8                    |
| Solubility           | : Water: Complete        |
| Log Pow              | : No data available      |
| Viscosity, kinematic | : No data available      |
| Viscosity, dynamic   | : No data available      |
| Explosive properties | : No data available      |
| Oxidising properties | : No data available      |
| Explosive limits     | : No data available      |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Open flame. Heat. Sparks.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) : Not classified

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Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Toxic if swallowed. Toxic in contact with skin.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to ...

Ecology - waste materials : Hazardous waste due to toxicity.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. (ADR) : 1993

UN-No. (IMDG) : 1993

UN-No.(IATA) : 1993

UN-No.(ADN) : 1993

UN-No. (RID) : 1993

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.

Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S.

Proper Shipping Name (IATA) : FLAMMABLE LIQUID, N.O.S.

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|                                       |                                                  |
|---------------------------------------|--------------------------------------------------|
| Proper Shipping Name (ADN)            | : FLAMMABLE LIQUID, N.O.S.                       |
| Proper Shipping Name (RID)            | : FLAMMABLE LIQUID, N.O.S.                       |
| Transport document description (ADR)  | : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II, (D/E) |
| Transport document description (IMDG) | : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II        |
| Transport document description (IATA) | : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II        |
| Transport document description (ADN)  | : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II        |
| Transport document description (RID)  | : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II        |

### 14.3. Transport hazard class(es)

#### ADR

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (ADR) | : 3 |
| Danger labels (ADR)              | : 3 |



#### IMDG

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IMDG) | : 3 |
| Danger labels (IMDG)              | : 3 |



#### IATA

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IATA) | : 3 |
| Hazard labels (IATA)              | : 3 |



#### ADN

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (ADN) | : 3 |
| Danger labels (ADN)              | : 3 |



#### RID

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (RID) | : 3 |
| Danger labels (RID)              | : 3 |



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### 14.4. Packing group



|                      |      |
|----------------------|------|
| Packing group (ADR)  | : II |
| Packing group (IMDG) | : II |
| Packing group (IATA) | : II |
| Packing group (ADN)  | : II |
| Packing group (RID)  | : II |

### 14.5. Environmental hazards

|                               |                                          |
|-------------------------------|------------------------------------------|
| Dangerous for the environment | : No                                     |
| Marine pollutant              | : No                                     |
| Other information             | : No supplementary information available |

### 14.6. Special precautions for user

#### - Overland transport

|                                                           |                                                                                       |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------|
| Classification code (ADR)                                 | : F1                                                                                  |
| Special provision (ADR)                                   | : 274, 601, 640C                                                                      |
| Limited quantities (ADR)                                  | : 1L                                                                                  |
| Excepted quantities (ADR)                                 | : E2                                                                                  |
| Packing instructions (ADR)                                | : P001                                                                                |
| Mixed packing provisions (ADR)                            | : MP19                                                                                |
| Portable tank and bulk container instructions (ADR)       | : T7                                                                                  |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP8, TP28                                                                      |
| Tank code (ADR)                                           | : L1.5BN                                                                              |
| Vehicle for tank carriage                                 | : FL                                                                                  |
| Transport category (ADR)                                  | : 2                                                                                   |
| Special provisions for carriage - Operation (ADR)         | : S2, S20                                                                             |
| Hazard identification number (Kemler No.)                 | : 33                                                                                  |
| Orange plates                                             | :  |
|                                                           | :  |
| Tunnel restriction code (ADR)                             | : D/E                                                                                 |
| EAC code                                                  | : •3YE                                                                                |

#### - Transport by sea

|                                 |                  |
|---------------------------------|------------------|
| Special provision (IMDG)        | : 274            |
| Limited quantities (IMDG)       | : 1 L            |
| Excepted quantities (IMDG)      | : E2             |
| Packing instructions (IMDG)     | : P001           |
| IBC packing instructions (IMDG) | : IBC02          |
| Tank instructions (IMDG)        | : T7             |
| Tank special provisions (IMDG)  | : TP1, TP8, TP28 |
| EmS-No. (Fire)                  | : F-E            |
| EmS-No. (Spillage)              | : S-E            |
| Stowage category (IMDG)         | : B              |
| MFAG-No                         | : 127;128        |

#### - Air transport

|                                |        |
|--------------------------------|--------|
| PCA Excepted quantities (IATA) | : E2   |
| PCA Limited quantities (IATA)  | : Y341 |



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|                                              |       |
|----------------------------------------------|-------|
| PCA limited quantity max net quantity (IATA) | : 1L  |
| PCA packing instructions (IATA)              | : 353 |
| PCA max net quantity (IATA)                  | : 5L  |
| CAO packing instructions (IATA)              | : 364 |
| CAO max net quantity (IATA)                  | : 60L |
| Special provision (IATA)                     | : A3  |
| ERG code (IATA)                              | : 3H  |

### - Inland waterway transport

|                                   |                  |
|-----------------------------------|------------------|
| Classification code (ADN)         | : F1             |
| Special provisions (ADN)          | : 274, 601, 640C |
| Limited quantities (ADN)          | : 1 L            |
| Excepted quantities (ADN)         | : E2             |
| Carriage permitted (ADN)          | : T              |
| Equipment required (ADN)          | : PP, EX, A      |
| Ventilation (ADN)                 | : VE01           |
| Number of blue cones/lights (ADN) | : 1              |

### - Rail transport

|                                                           |                  |
|-----------------------------------------------------------|------------------|
| Classification code (RID)                                 | : F1             |
| Special provision (RID)                                   | : 274, 601, 640C |
| Limited quantities (RID)                                  | : 1L             |
| Excepted quantities (RID)                                 | : E2             |
| Packing instructions (RID)                                | : P001           |
| Mixed packing provisions (RID)                            | : MP19           |
| Portable tank and bulk container instructions (RID)       | : T7             |
| Portable tank and bulk container special provisions (RID) | : TP1, TP8, TP28 |
| Tank codes for RID tanks (RID)                            | : L1.5BN         |
| Transport category (RID)                                  | : 2              |
| Colis express (express parcels) (RID)                     | : CE7            |
| Hazard identification number (RID)                        | : 33             |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

#### 15.1.2. National regulations

### Germany

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AwSV/VwVwS Annex reference : Water hazard class (WGK) 1, slightly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Full text of H- and EUH-phrases:

|                           |                                                                        |
|---------------------------|------------------------------------------------------------------------|
| Acute Tox. 3 (Dermal)     | Acute toxicity (dermal), Category 3                                    |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3                                    |
| Acute Tox. 3 (Oral)       | Acute toxicity (oral), Category 3                                      |
| Eye Irrit. 2              | Serious eye damage/eye irritation, Category 2                          |
| Flam. Liq. 2              | Flammable liquids, Category 2                                          |
| STOT SE 1                 | Specific target organ toxicity — single exposure, Category 1           |
| STOT SE 3                 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H225                      | Highly flammable liquid and vapour                                     |
| H301                      | Toxic if swallowed                                                     |
| H311                      | Toxic in contact with skin                                             |
| H319                      | Causes serious eye irritation                                          |
| H331                      | Toxic if inhaled                                                       |
| H336                      | May cause drowsiness or dizziness                                      |
| H370                      | Causes damage to organs                                                |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*