

# Material Safety Data Sheet



ACETO ORCEIN

VERSION : 01  
DATE OF ISSUE :02-12-2016  
SUPERSEDES : Nil

Product Code : 31010

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

### 1.1. Product identifier

Trade name : ACETO ORCEIN

Product code :31010

Identification of the product : Aceto Orcein

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

Use : Industrial. For professional use only.

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

Company identification : MOLYCHEM

Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503.

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

[CLP]Mixture/Substance: SDS EU 2015: According to Annex II  
of Regulation (EC) No. 453/2010 (REACH Annex II)

Skin corrosion/irritation, H314

Category 1A

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

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

No additional information available

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to  
displayExtra classification(s) to display

Symbol(s) : C: Corrosive



**R Phrase(s):R36/38** Irritating to eyes and skin.

**S Phrase(s) :S2:** Keep out of reach of children.

**S26:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advise.

**Hazard pictograms:**

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**Signal word:** Danger

**Hazard statements:** H314 - Causes severe skin burns and eye damage

**Precautionary statements:** P280 - Wear protective gloves, protective clothing, eye protection, face protection P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing P310 - Immediately call a doctor

### 2.3. Other hazards

No additional information available

## 3. Composition/information on ingredients

### 3.1. Substance: ACETO ORCEIN

Substance name	Contents	CAS No
Water	50 - 75	7732-18-5
Acetic acid	25 - 50	64-19-7
Orcein	0.01 - 1	1400-62-0

Substance.

Contains no other components or impurities which will influence the classification of the product.

## 4. First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after eye contact : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries : Causes severe skin burns and eye damage.

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

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Treat symptomatically.

## **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**

No additional information available

### **5.3. Advice for firefighters**

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

## **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

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

Precautions for safe handling : Do not breathe vapours. Avoid contact with skin and eyes.  
Provide good ventilation in process area to prevent formation of vapour.

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.

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

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

### **7.3. Specific end use(s)**

No additional information available

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## **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 face shield

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection

## **9. Physical and chemical properties**

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

**Odour threshold** : 1.018 ppm

**pH** : No data available

**Relative evaporation rate (butylacetate=1)** : No data available

**Melting point** : 16.6 °C

**Freezing point** : No data available

**Boiling point** : 100 °C

**Flash point** : 39 °C

**Auto-ignition temperature** : 427 °C

**Decomposition temperature** : No data available

**Flammability (solid, gas)** : No data available

**Vapour pressure** : 2.3 kPa at 20°C)

**Relative vapour density at 20 °C** : 2.07

**Relative density** : No data available

**Density** : 1.03 g/cm<sup>3</sup>

**Solubility** : Water: Soluble in water

**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** : 0.04 - 0.199 vol %

### **9.2. Other information**

No additional information available

## **10. Stability and reactivity**

### **10.1. Reactivity**

Thermal decomposition generates : Corrosive vapours.

### **10.2. Chemical stability**

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Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

No additional information available

### **10.4. Conditions to avoid**

Direct sunlight. Overheating. Open flame. Heat. Sparks.

### **10.5. Incompatible materials**

No additional information available

### **10.6. Hazardous decomposition products**

Thermal decomposition generates : Corrosive vapours.

## **11. Toxicological information**

### **11.1. Information on toxicological effects**

Acute toxicity : Not classified

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Serious eye damage/irritation : Serious eye damage, category 1, implicit

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

## **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

## **13. Disposal considerations**

### **13.1. Waste treatment methods**

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

## **14. Transport information**

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

### **14.1. UN number**

UN-No. (ADR) : 1760

UN-No. (IMDG) : 1760

UN-No.(IATA) : 1760

UN-No.(ADN) : 1760

UN-No. (RID) : 1760

### **14.2. UN proper shipping name**

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

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

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

Proper Shipping Name (ADN) : CORROSIVE LIQUID, N.O.S.

Proper Shipping Name (RID) : CORROSIVE LIQUID, N.O.S.

Transport document description (ADR) : UN 1760 CORROSIVE LIQUID, N.O.S., 8, II, (E)

Transport document description (IMDG) : UN 1760 CORROSIVE LIQUID, N.O.S., 8, II

Transport document description (IATA) : UN 1760 CORROSIVE LIQUID, N.O.S., 8, II

Transport document description (ADN) : UN 1760 CORROSIVE LIQUID, N.O.S., 8, II

Transport document description (RID) : UN 1760 CORROSIVE LIQUID, N.O.S., 8, II

### **14.3. Transport hazard class(es)**

**ADR** : Transport hazard class(es) (ADR) : 8

Danger labels (ADR) : 8

**IMDG** : Transport hazard class(es) (IMDG) : 8

Danger labels (IMDG) : 8

**IATA** : Transport hazard class(es) (IATA) : 8

Hazard labels (IATA) : 8

**AND** : Transport hazard class(es) (ADN) : 8

Danger labels (ADN) : 8

**RID** : Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8

### **14.4. Packing group**

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

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## **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) : C9

Special provision (ADR) : 274

Limited quantities (ADR) : 1L

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02

Mixed packing provisions (ADR) : MP15

Portable tank and bulk container

instructions (ADR) : T11

Portable tank and bulk container special

provisions (ADR) : TP2, TP27

Tank code (ADR) : L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Hazard identification number (Kemler No.) : 80

Orange plates : Tunnel restriction code (ADR) : E

EAC code : 2X

APP code : B

### **- 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) : T11

Tank special provisions (IMDG) : TP2, TP27

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-B

Stowage category (IMDG) : B

Stowage and handling (IMDG) : SW2

MFAG-No : 154

### **- Air transport**

PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y840

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PCA limited quantity max net quantity

(IATA) : 0.5L

PCA packing instructions (IATA) : 851

PCA max net quantity (IATA) : 1L

CAO packing instructions (IATA) : 855

CAO max net quantity (IATA) : 30L

Special provision (IATA) : A3

ERG code (IATA) : 8L

**- Inland waterway transport**

Classification code (ADN) : C9

Special provisions (ADN) : 274

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : E2

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0

**- Rail transport**

Classification code (RID) : C9

Special provision (RID) : 274

Limited quantities (RID) : 1L

Excepted quantities (RID) : E2

Packing instructions (RID) : P001, IBC02

Mixed packing provisions (RID) : MP15

Portable tank and bulk container

instructions (RID) : T11

Portable tank and bulk container special provisions (RID) : TP2, TP27

Tank codes for RID tanks (RID) : L4BN

Transport category (RID) : 2

Colis express (express parcels) (RID) : CE6

Hazard identification number (RID) : 80

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

Not applicable

**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

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Contains no REACH candidate substance  
Contains no REACH Annex XIV substances.

## **15.1.2. National regulations**

### **Germany**

AwSV/VwVwS Annex reference : Water hazard class (WGK) 3, strongly 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**

Class for fire hazard : Class II-1

Store unit : 5 liter

Classification remarks : R10 <H314>; 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

## **15.2. Chemical safety assessment**

No additional information available

## **16. Other information**

**Abbreviations and acronyms** : PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

**Sources of key data used** : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information** : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008 **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

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