

# **BVCPL**

## **Best Value Chem Pvt Ltd.**

### **SPECIFICATIONS**

#### **VERDYL ISO BUTYRATE - 57060**

##### **CORE TESTS**

ODOUR  
APPEARANCE  
VISUAL COLOR  
SPECIFIC GRAVITY D 25/25  
REFRACTIVE INDEX  $n_D^{25}$   
ACID VALUE

##### *Ranges*

Poweful, Herbaceous-green fruity fresh woody.  
Non- viscous liquid.  
Clear Colour less to pale yellow liquid.  
1.020 – 1.030  
1.480 – 1.486  
0.0 - 1.0 mg KOH/g

##### **GC ANALYSIS ON APPROPRIATE COLUMN**

Verdyl Iso Butyrate (Major Isomer) 93 – 95 % (Minimum)

##### **ADDITIONAL DATA**

CHEMICAL NAME  
MOLECULAR FORMULA  
FLASH POINT  
STABILIZERS

Hexahydro-4,7-Methano-indane-5-yl Isobutyrate  
 $C_{14}H_{20}O_2$   
> 100<sup>0</sup> C  
NIL

##### **SHELF LIFE**

24 months with proper storage

##### **STORAGE CONDITIONS**

Store in a Cool dry place, tightly sealed container  
Keep away from direct sunlight

**CAS#** 67634-20-2

Hexahydro-4,7-Methano-indane-5-yl Isobutyrate

**PREPARED BY:** Anil Kale

# BEST VALUE CHEM PVT. LTD.

## MATERIAL SAFETY DATA SHEET (MSDS)

Product Name: Verdyl Iso Butyrate

### 01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Name of the commodity : Verdyl Iso Butyrate  
Manufacturing company : BEST VALUE CHEM PVT. LTD.  
**FACTORY:**  
Best Value Chem Pvt. Ltd.  
PLOT NO.306, Near jaynarayan Cold Storage  
Sakarda –Bhadarwa road, Vill-Moxi,  
Tal-Savli,Dist:- Baroda.  
PH:(02667)244369,244215.

### 02. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name : Hexahydro-4,7-Methano-indene-5(or 6)-yl  
Isobutyrate  
Formula : C<sub>14</sub>H<sub>20</sub>O<sub>2</sub>  
C.A.S no. : 67634-20-2

### 03. HAZARDS IDENTIFICATION

General : No specific hazard.  
Hazard symbol : Not required.  
Environment : On spillage it can contaminate soil,ground  
& surface water.

### 04. FIRST AID MEASURES

On inhalation : Move the person to fresh air and keep at  
rest. Obtain medical advice if found  
necessary.  
Eye exposure : Wash immediately with plenty of water for  
at least 10 minutes. Contact physician if  
symptoms persist.

## MsdS :- Verdyl Iso Butyrate

- On skin exposure : Wash with sufficient quantity of water(or soap solution & water). On irritation remove contaminated cloth.
- On ingestion : Rinse mouth with plenty of water and get medical advice.

### **05. FIRE FIGHTING MEASURES**

Avoid inhalation of fumes evolved in a fire.

Use self-contained breathing apparatus when fire fighting.

Extinguish with sand, earth, water spray, carbon dioxide or powder extinguisher.

Do not use water jet.

If containers become heated, over pressure with release of combustible material and even explosion may occur. To avoid this, they should be kept cool by spraying with water from a safe distance.

### **06. ACCIDENTAL RELEASE MEASURES**

Inhalation of high-odour materials may cause discomfort or nausea and should be avoided by providing good ventilation during containment and disposal.

In case of impossibility of this and when particularly when substances having exposure standards are present the use of an organic vapour respirator is recommended.

Remove ignition sources and provide proper ventillation.

Wash the affected area with detergent and water.

Comply with local regulations for waste disposal.

### **07. HANDLING AND STORAGE**

Handling : Materials should be handled according to principles of Good Manufacturing Practice. Avoid ingestion and inhalation of the neat material. Practice handling and personal washing routine to minimise personal exposure to the product.

Storage : Store in a cool, dry place, tightly sealed containers protected from light. Keep away from possible sources of ignition. Ensure adequate air circulation and fume extraction in storage and working areas.

## MsdS :- Verdyl Iso Butyrate

### **08. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Respiratory Protection	:	Not normally necessary when handling at ambient temperatures.
Hand Protection	:	Wear PVC gloves.
Eye Protection	:	Minimum protection is recommended. (For e.g. safety glasses)
Skin Protection	:	Usually above alls are sufficient.

### **09. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	Colourless to slightly yellow liquid. Non viscous liquid
Odour	:	Powerful, herbaceous, greenfruity, fresh woody.
Flash Point	:	Above 100°C
Flammability	:	Refer flash point
Autoflammability	:	Not determined
Explosive Properties	:	Will not explode
Oxidizing Properties	:	Not an oxidizer
Relative Density	:	D (at 25/25)- 1.020-1.030
Refractive Index	:	N (at 25/25)- 1.480 - 1.486
Solubility in water	:	Insoluble

### **10. STABILITY AND REACTIVITY**

Thermal Decomposition	:	Carbon dioxide, carbon monoxide.
Auto-oxidation	:	Not applicable

### **11. TOXICOLOGICAL INFORMATION**

LD <sub>50</sub> oral	:	Not determined
LD <sub>50</sub> dermal	:	Not determined

### **12. ECOLOGICAL INFORMATION**

Non dangerous to the environment.

## **Msd:- Verdyl Iso Butyrate**

### **13. DISPOSAL CONSIDERATION**

Comply with local regulations for the waste disposal.

Empty containers of liquid should be washed thoroughly with detergent before being send for reconditioning or disposal.

The washing should be treated as trade effluent or special waste as appropriate.

### **14. TRANSPORT INFORMATION**

Not classiiifed as hazardous under transport regulation.

### **15. REGULATORY INFORMATION**

Hazard symbol	:	None required
Risk phrases	:	None required
Safety phrases	:	None required

### **16. OTHER INFORMATION**

The information contained herein is based on the present state of our knowledge and experience. In view of many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments. Neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

