

# **MATERIAL SAFETY DATA SHEET OF ORI JET-LV**

## **Section 1 - Chemical Product & Company Identification**

Name of Product : **ORI JET- LV (Starch esters)**  
Manufacturer : **SOUTHERN HYDROCARBONS**

## **Section 2 - Chemical /Information On Ingredients**

Substance : Starch esters  
Ingredients : Contributing to the hazard are absent

## **Section 3 - Hazard Identification**

The chemical nature of this product does not give occasion to caution hazards for adverse human health & environmental effect, not irritant to eyes, skin etc.

## **Section 4 - First Aid Measures**

Because it is inert material there is no reason to give proper instruction about first aid measures in relation to the product. A wash with water is advised in case of contact

## **Section 5 - Fire Fighting Measures**

Extinguishing Media For : Standard media such as powder , foam or water are suitable. The protection of fire fighters e.g. the standard breathing apparatus should be used.

## **Section 6 - Accidental Release Measure**

No special personal & environmental precautions are recommended.

Method of cleaning up : After spillage or leakage, remove the waster in dry form if possible, otherwise surface can be a slipping hazard.

## **Section 7 - Handling & Storage**

Appropriate technical measure should be taken to dispose off dust by ventilation or vacuum cleaning. Anyhow avoid excessive raising of dust of loose material. Therefore regular removing of deposit of dust is recommended. Specific incompatible materials have not to be stated.

Store the product cool & dry, protected extreme weather condition. For separation of incompatible material during storage if appropriate keep the packaging well closed & round.

## **Section 8 - Exposure Controls/Personal Protection**

In case of raising dust the use of breathing protection is recommended.

## **Section 9 - Physical & Chemical Properties**

Form	:	Powder
Colour	:	Off white
pH	:	Neutral
Odour	:	Natural
Change in physical stage	:	No change in solid state till process of combustion
Flash point	:	No development of volatile & inflammable vapour till process of combustion
Explosion properties	:	This product has no explosion properties
Solubility in water	:	Colloidal dispersible in hot water (90°C)

### **Section 10 - Stability & Reactivity**

This product loses its original microscopical structure of granular by swelling in water during heating from 70 °C.

There is no thermal decomposition if used as directed.

In case of complete combustion, the decomposition product CO<sub>2</sub> & water are formed.

### **Section 11 - Toxicological Information**

The product is nontoxic & does not contain ingredient, which can be considered as such.

Carcinogenicity	:	Nil
Mutagenicity	:	Nil
Reproductive toxicity	:	Nil
Irreversible effect	:	Nil
Harm to unborn child	:	Nil
Oral Toxicity (LD50)	:	> 5000 mg/kg

### **Section 12 - Ecological Information**

The product is expected to be readily biodegradable & non eco-toxic under normal circumstances. Standard method are to be developed & carried in due time.

Biodegradability	:	44%
Aquatic toxicity (LD50)	:	>500 mg/l
PCP Content	:	Nil
APEO	:	Absent
Heavy metals	:	Absent
Formaldehyde	:	Absent
Blacklisted item	:	Absent

### **Section 13 - Disposal Information**

Taking into consideration, the local authority regulation it may be land filled or incinerated together with household refuse.

### **Section 14 - Transport Information**

This product is not classified as dangerous goods according to the international regulations for transport by land, in land waterways, sea & air.

Further Information : This product can be declared as starch (Modified).

### **Section 15 - Regulatory information**

Generally this product is not subjected to the regulation of mandatory handling, however take into consideration the possible existence of local regulations.

### **Section 16 – Other information**

This material safety data sheet is according to the directives of GHS (Global Harmonized System).

**Disclaimer:** The above information is intended to give general health and safety guidance on the storage and transport of the substance or product to which it rates. The requirement or recommendation of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product shall take precedence over any of the guidance contained in the safety data sheet where there is a difference in the information given. The information provided in the safety data sheet is accurate at the date of publication and will be updated as and when appropriate.