



## SUNOCO Sunspray 11N/11E

**Description**      Sunspray 11N/11E are highly refined paraffinic mineral oils for use in agricultural and horticultural applications.

**Application**      As dormant and deep dormant oil to assure ample resistance to weathering.  
As adjuvant or supplemental carrier for herbicides.  
In triazine-oil-water emulsions.  
SUNSPRAY 11E contains an emulsifier and forms a quick-breaking emulsion in water. SUNSPRAY 11N is a straight mineral oil for formulators who prefer their own emulsifier.

**Properties**          - Sunspray oils are low phytotoxic due to their unsulphonated residue of 92% minimum.  
- Sunspray 11E/11N have a slightly higher midpoint and slightly broader distillation range which makes them more effective during deep dormancy.  
- Sunspray 11E/11N increases the effectiveness of herbicides.

### Typical analysis :

Density at 15°C	0.862
Viscosity at 40°C	20.2
Viscosity at 100°C	4.1
Viscosity index	100
Pour point	-15
Colour	L0.5
Molecular weight	375
Unsulphonated residue	92

### Distillation range at 10 mm Hg :

- 10 % / °C	212
- 50 % / °C	242
- 90 % / °C	270
- 10-90 % / °C	58

### % emulsifier in :

- Sunspray 11N	0.00
- Sunspray 11EL	0.55
- Sunspray 11E	2.00
- Sunspray 11E3	3.50

All technical data is provided for reference only.

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