

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : HALOPRIM

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use  
 Use of the substance/mixture : Primary with elastomers in solvent environment

##### 1.2.2. Uses advised against

No additional information available

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

OSB  
 52 bis Boulevard Richard LENOIR  
 75011 PARIS - FRANCE  
 T +33 1 46 07 46 21  
[osb.france@wanadoo.fr](mailto:osb.france@wanadoo.fr) - [www.osb.fr](http://www.osb.fr)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	

### 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  
 Skin corrosion/irritation, Category 2 H315  
 Serious eye damage/eye irritation, Category 2 H319  
 Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
 Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411  
 Full text of H statements : see section 16

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

See below for route-specific details.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) : Danger  
 Hazardous ingredients : Ethyl acetate  
 Hazard statements (CLP) : H225 - Highly flammable liquid and vapour  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H336 - May cause drowsiness or dizziness  
 H411 - Toxic to aquatic life with long lasting effects

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Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P261 - Avoid breathing spray, fume, gas, dust, vapours P273 - Avoid release to the environment 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 P403+P233 - Store in a well-ventilated place. Keep container tightly closed
EUH-statements	: EUH208 - Contains Rosin(8050-09-7). May produce an allergic reaction

### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyl acetate	(CAS-No.) 141-78-6 (EC-No.) 205-500-4 (EC Index-No.) 607-022-00-5 (REACH-no) 01-2119475103-46	< 45	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	(EC-No.) 921-024-6 (REACH-no) 01-2119475514-35	< 30	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	(CAS-No.) 142-82-5 (REACH-no) 01-2119475515-33	< 30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Acetone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	< 15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Propyl acetate	(CAS-No.) 109-60-4 (EC-No.) 203-686-1 (EC Index-No.) 607-024-00-6	< 15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Hydrocarbons, C7-C8, cyclics	(CAS-No.) 108-87-2 (EC-No.) 203-624-3 (EC Index-No.) 601-018-00-7	< 15	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Rosin	(CAS-No.) 8050-09-7 (EC-No.) 232-475-7 (EC Index-No.) 650-015-00-7	< 1	Skin Sens. 1, H317

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Move the affected person to the fresh air. Allow the victim to rest. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after skin contact	: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. Seek medical attention if ill effect or irritation develops.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Ensure adequate flushing of eyes by separating eyelids with the fingers. If irritation persists, consult an eye specialist immediately.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth. Seek medical advice (show the label where possible).

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

No additional information available

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### 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. Water spray. Dry powder. Alcohol resistant foam.

Unsuitable extinguishing media : Strong water jet.

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

Fire hazard : Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.

Explosion hazard : May form flammable/explosive vapour-air mixture.

Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Use self-contained breathing apparatus when in close proximity to fire. Do not attempt to take action without suitable protective equipment.

## SECTION 6: Accidental release measures

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

General measures : Eliminate every possible source of ignition. No open flames. No smoking. Use special care to avoid static electric charges.

#### 6.1.1. For non-emergency personnel

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Evacuate and limit access.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

Other information : Recover the cleaning water for later disposal.

### 6.4. Reference to other sections

Refer to sections 8 and 13 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Take precautionary measures against static discharge. Provide proper grounding. Store and handle as though always a potential fire and health hazard exists. No open flames. No smoking. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

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

Technical measures : Provide local exhaust or general room ventilation. No open flames, no sparks, and no smoking. Use only non-sparking tools.

Storage conditions : Keep container tightly closed. Store in dry, cool, well-ventilated area. Keep away from heat. Keep out of frost. Use special care to avoid static electric charges. See product bulletin for detailed information.

Packaging materials : Original packaging.

### 7.3. Specific end use(s)

Industrial.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Rosin (8050-09-7)

United Kingdom

WEL TWA (mg/m<sup>3</sup>)

0.05 mg/m<sup>3</sup>

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<b>Rosin (8050-09-7)</b>		
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	0.15 mg/m <sup>3</sup>
<b>Acetone (67-64-1)</b>		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	3620 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	1500 ppm
<b>Ethyl acetate (141-78-6)</b>		
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (ppm)	400 ppm
<b>Propyl acetate (109-60-4)</b>		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	849 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1060 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	250 ppm

### 8.2. Exposure controls

#### Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations.

#### Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Non-static creating clothing and conductive shoes should be worn

#### Respiratory protection:

In case of vapour formation use adequate respirator. In case of insufficient ventilation, wear suitable respiratory equipment

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Clear.
Odour	: Characteristic.
Odour threshold	: Not determined
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: (Acetone : -18°C)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.83 (+/- 0.03)
Density	: ≈ 0.83 g/cm <sup>3</sup>
Solubility	: Insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: ≈ 53.012 mm <sup>2</sup> /s
Viscosity, dynamic	: ≈ 44 mPa.s

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Explosive properties : No data available  
Oxidising properties : No data available  
Explosive limits : No data available

### 9.2. Other information

Additional information : Dry-extract : ~ 7 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Vapour mixes readily with air, forming explosive mixtures.

### 10.4. Conditions to avoid

Avoid the build-up of electrostatic charge. No flames, no sparks. Eliminate all sources of ignition. Overheating. Heat. Gel.

### 10.5. Incompatible materials

Strong oxidizers. Strong acids. Halogens. Strong reducing agents. Amines. Chlorinated hydrocarbons. Bases. Alkali metals. Peroxides. Ethanolamine.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Aldehydes. Hydrocarbons. Hydrogen chloride. Organic acids. alcohols.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Rosin (8050-09-7)	
LD50 oral rat	7600 mg/kg
LD50 dermal rat	> 2000 mg/kg
Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (OECD 401)
LD50 dermal rat	> 15800 mg/kg
Ethyl acetate (141-78-6)	
LD50 oral rat	5600 mg/kg
LD50 dermal rabbit	18000 mg/kg

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause drowsiness or dizziness.  
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)  
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

HALOPRIM	
Viscosity, kinematic	≈ 53.012 mm <sup>2</sup> /s

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity : Not classified  
Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

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<b>Rosin (8050-09-7)</b>	
LC50 fish 1	> 1000 mg/l/96h (Danio rerio)
EC50 Daphnia 1	> 750 mg/l/48h (Daphnia magna)
ErC50 (algae)	> 1000 mg/l/72h (Pseudokirchneriella subcapitata)
<b>Acetone (67-64-1)</b>	
LC50 fish 1	5540 mg/l/96h (Onchorhynchus mykiss)
EC50 Daphnia 1	8800 mg/l/48h (Daphnia magna)
<b>Ethyl acetate (141-78-6)</b>	
LC50 fish 1	230 mg/l/96h (Pimephales promelas)
EC50 Daphnia 1	717 mg/l/48h (Daphnia magna)
ErC50 (algae)	3300 mg/l/48h (Desmodesmus subspicatus)
<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic (142-82-5)</b>	
EC50 Daphnia 1	3 mg/l/48h (Daphnia magna)
ErC50 (algae)	10 - 30 mg/l/72h (Pseudokirchneriella subcapitata)

### 12.2. Persistence and degradability

<b>Rosin (8050-09-7)</b>	
Persistence and degradability	Readily biodegradable.
<b>Ethyl acetate (141-78-6)</b>	
Persistence and degradability	Readily biodegradable. 79 % biodegradation /20. days.
<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic (142-82-5)</b>	
Persistence and degradability	Readily biodegradable.
<b>Hydrocarbons, C7-C8, cyclics (108-87-2)</b>	
Persistence and degradability	Readily biodegradable.

### 12.3. Bioaccumulative potential

<b>Ethyl acetate (141-78-6)</b>	
BCF fish 1	30

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Component	
Ethyl acetate (141-78-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

Other adverse effects : None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container at hazardous or special waste collection point.

## SECTION 14: Transport information

In accordance with ADR

### 14.1. UN number

UN-No. (ADR) : 1993

### 14.2. UN proper shipping name

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

Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3

Danger labels (ADR) : 3

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### 14.4. Packing group

Packing group (ADR) : II

### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Other information : No supplementary information available

### 14.6. Special precautions for user

Special transport precautions : Actions in the event of an accident or emergency: The driver shall not attempt to deal with any fire of the load, No open flames. No smoking, Keep public away from danger area, NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY

#### - Overland transport

Classification code (ADR) : F1  
Special provisions (ADR) : 640C  
Limited quantities (ADR) : 11  
Excepted quantities (ADR) : E2  
Vehicle for tank carriage : FL  
Transport category (ADR) : 2  
Hazard identification number (Kemler No.) : 33  
Orange plates :



Tunnel restriction code (ADR) : D/E  
EAC code : \*3YE

### 14.7. Transport in bulk according to Annex II of Marpol 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 REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
HALOPRIM is not on the REACH Candidate list.  
Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Ensure all national/local regulations are observed.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:  
This sheet was updated (refer to the date at the top of this page).

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

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Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction

SDS EU (REACH Annex II)

*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*