



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 15.12.2017

OPN-Long Term Primer RUST STOP auburn 1 liter

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

1.1. Product identifier

OPN-Long Term Primer RUST STOP auburn 1 liter Art.-No. 66415

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

- **Relevant identified uses** industrial use, professional use
- **Application of the substance / the mixture** Paint, Varnish, industrial paint
- **Uses advised against:**
consumer use (private households)
Do not use for products that are intended for contact with food - exclude food contact.

1.3 Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**
OPN-CHEMIE OTTO PETRI GMBH
In der Au 14
D-57290 Neunkirchen/Germany
Tel.: +49 (0) 2735 / 7725-0 Fax: +49 (0) 2735 / 7725-90
E-Mail: info@opn-chemie.de Web: www.opn-chemie.de
- **Further information obtainable from:**
Safety data sheets Mrs. Barbara Angelika Gros-Petri
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1.4 24 hours Emergency telephone number:

Vergiftungs-Informationen-Zentrale Freiburg +49 (0) 761 / 192 40

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Flammable liquid: Flam. Liq. 3
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
Flammable liquid and vapour.
Causes skin irritation.
Causes serious eye irritation.
Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word:

Warning

Pictograms:



Hazard statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing mist/vapours/spray.

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- P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378 In case of fire: Use sand, dry chemical or alcohol-resistant foam to extinguish.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P501 Dispose of contents/container to hazardous or special waste.

Special labelling of certain mixtures

- EUH208 Contains 2-butanone oxime, ethyl methyl ketone oxime, ethyl methyl ketoxime. May produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
1330-20-7	xylene			5 - < 10 %
	215-535-7	601-022-00-9		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315			
64742-82-1	Naphta, hydrosulfurierte schwere, Benzolgehalt <0.1%			5 - < 10 %
	265-185-4			
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411 EUH066			
78-83-1	2-methylpropan-1-ol; iso-butanol			1 - < 5 %
	201-148-0	603-108-00-1		
	Flam. Liq. 3, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H226 H335 H315 H318 H336			
100-41-4	ethylbenzene			1 - < 5 %
	202-849-4	601-023-00-4		
	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1; H225 H332 H373 H304			
7779-90-0	trizinc bis(orthophosphate)			1 - < 5 %
	231-944-3	030-011-00-6		
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
68308-64-5	Quaternäre Ammoniumverbindungen, Kokosalkylethyldimethyl-, Ethylsulfate			< 1 %
	269-662-8			
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1; H302 H315 H318 H400			
96-29-7	2-butanone oxime, ethyl methyl ketone oxime, ethyl methyl ketoxime			< 1 %
	202-496-6	616-014-00-0		
	Carc. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1; H351 H312 H318 H317			

Full text of H and EUH statements: see section 16.

Further Information

Full text of R-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Give nothing to eat or drink.

After inhalation

In case of inhaling spray mists, consult a doctor immediately and show him box or label. If victim is at risk of losing consciousness, position and transport on their side. Provide fresh air.

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After contact with skin

After contact with skin, wash immediately with: Water. Remove contaminated, saturated clothing immediately. Change contaminated clothing. Wash thoroughly the body (shower or bath).

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water. Do NOT induce vomiting. Call a physician immediately. Caution if victim vomits: Risk of aspiration!

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

Vapours may cause drowsiness and dizziness. Frequently or prolonged contact with skin may cause dermal irritation.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam. Dry extinguishing powder. Carbon dioxide (CO₂). ABC powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air. Burning produces heavy smoke. In case of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately.

Additional information

Contaminated fire-fighting water must be collected separately. Remove product from area of fire. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Remove all sources of ignition. Provide adequate ventilation. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Explosion hazard. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Preventive measures: If handled uncovered, arrangements with local exhaust ventilation have to be used. It is

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recommended to design all work processes always so that the following is excluded: inhalation. skin contact.
Eye contact. Take precautionary measures against static discharges.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Keep only in the original container in a cool, well-ventilated place. Take precautionary measures against static discharges.

Advice on storage compatibility

Do not store together with: Material, rich in oxygen, oxidizing. Materials to avoid: Acid. Base. Material, combustible. Oxidizing agents.

Further information on storage conditions

Keep away from sources of ignition - No smoking. Protect against: heat. Keep/Store only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
78-83-1	2-Methylpropan-1-ol	50	154		TWA (8 h)	WEL
		75	231		STEL (15 min)	WEL
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

8.2. Exposure controls

Appropriate engineering controls

Occupational exposure controls: Refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.
Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Eye/face protection

Suitable eye protection: Framed glasses. Goggles.

Hand protection

Tested protective gloves are to be worn:
Suitable material: NBR (Nitrile rubber). , Butyl rubber.
Thickness of glove material: >0,4mm
penetration time (maximum wearing period): >480min
DIN-/EN-Norms: DIN EN 374

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Skin protection

Suitable protective clothing: Lab apron.

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values insufficient ventilation . insufficient absorbtion.

Environmental exposure controls

Refer to chapter 7 No further action is necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	red brown
Odour:	hydrocarbons, aromatic.

Test method

Changes in the physical state

Initial boiling point and boiling range:	145 °C
Softening point:	DIN 52025
Flash point:	30 °C
Lower explosion limits:	1 vol. %
Upper explosion limits:	8 vol. %
Ignition temperature:	260 °C
Vapour pressure:	8 hPa
(at 20 °C)	
Density (at 20 °C):	1,44 g/cm³
Flow time:	300 s
(at 20 °C)	3 DIN 53211
Solvent content:	VOCV (CH): 23,87 % VOC (EU) 348 g/l

9.2. Other information

Solid content:	76,13 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.2. Chemical stability

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.3. Possibility of hazardous reactions

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.4. Conditions to avoid

Keep away from heat. Ignition hazard. Conditions to avoid:
In case of warming: Danger of bursting container.

10.5. Incompatible materials

Alkalis (alkalis). Acid. Oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Toxicological data are not available.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1330-20-7	xylene				
	dermal	ATE 1100 mg/kg			
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			
64742-82-1	Naphta, hydrosulfurierte schwere, Benzolgehalt <0.1%				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >3126 mg/kg	Rabbit		
78-83-1	2-methylpropan-1-ol; iso-butanol				
	oral	LD50 > 2830 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		
	inhalative (4 h) vapour	LC50 > 24 mg/l	Rat		
100-41-4	ethylbenzene				
	oral	LD50 3500 mg/kg	Rat	GESTIS	
	dermal	LD50 15400 mg/kg	Rabbit	GESTIS	
	inhalative (4 h) vapour	LC50 17,2 mg/l	Rat		
	inhalative aerosol	ATE 1,5 mg/l			
68308-64-5	Quaternäre Ammoniumverbindungen, Kokosalkylethyltrimethyl-, Ethylsulfate				
	oral	ATE 500 mg/kg			
96-29-7	2-butanone oxime, ethyl methyl ketone oxime, ethyl methyl ketoxime				
	dermal	ATE 1100 mg/kg			

Irritation and corrosivity

Evaluation: Not an irritant.

STOT-repeated exposure

Has de-greasing effect on the skin.

Specific effects in experiment on an animal

Rat LD50: 4300 - 5800 mg/kg Acute toxicity, oral

Data apply to the main component.

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

Further information

Toxicological data are not available.

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SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Doesn't get into the sewage water as long as the process is carried out according to regulations.
Very toxic for Water fleas.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
78-83-1	2-methylpropan-1-ol; iso-butanol					
	Acute fish toxicity	LC50 1430 mg/l	96 h	Pimephales promelas		
	Acute algae toxicity	ErC50 1250 mg/l		Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 1439 mg/l	48 h	Daphnia magna		
100-41-4	ethylbenzene					
	Acute algae toxicity	ErC50 3,6 mg/l	96 h	Algen	GESTIS	
96-29-7	2-butanone oxime, ethyl methyl ketone oxime, ethyl methyl ketoxime					
	Acute crustacea toxicity	EC50 750 mg/l	48 h	Daphnia magna		

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
78-83-1	2-methylpropan-1-ol; iso-butanol	0,79
100-41-4	ethylbenzene	3,15
96-29-7	2-butanone oxime, ethyl methyl ketone oxime, ethyl methyl ketoxime	0,63

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

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Waste disposal number of used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

Waste disposal number of contaminated packaging

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Hand over to officially registered waste disposal company.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1263

14.2. UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)

14.3. Transport hazard class(es): 3

14.4. Packing group: III

Hazard label: 3



Classification code: F1

Limited quantity: LQ7

Hazard No: 33

Other applicable information (land transport)

: 163 640H 650

: 3

: E

If this product is transported in containers of a maximum capacity of 450 l according to ADR/RID No. 2.2.3.1.5., it is not referred to as a dangerous good in terms of transport regulations.

Inland waterways transport (ADN)

14.1. UN number: UN 1263

14.2. UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)

14.3. Transport hazard class(es): 3

14.4. Packing group: III

Hazard label: 3



Classification code: F1

Limited quantity: LQ7

Other applicable information (inland waterways transport)

: 163 640H 650

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If this product is transported in containers of a maximum capacity of 450 l according to ADR/RID No. 2.2.3.1.5., it is not referred to as a dangerous good in terms of transport regulations.

Marine transport (IMDG)


14.1. UN number:	UN 1263
14.2. UN proper shipping name:	PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
	
Marine pollutant:	•
Limited quantity:	5 L
EmS:	F-E, S-E

Other applicable information (marine transport)

: 163, 223, 944, 955

Transport in accordance with paragraph 2.3.2.5 of the IMDG Code.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN 1263
14.2. UN proper shipping name:	PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
	
Limited quantity Passenger:	10 L
IATA-packing instructions - Passenger:	309
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	310
IATA-max. quantity - Cargo:	220 L

Other applicable information (air transport)

: Y309

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28: Naphta, hydrosulfurierte schwere, Benzolgehalt <0.1%

2004/42/EC (VOC):	VOCV (CH): 23,87 %
	VOC (EU) 348 g/l

National regulatory information

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Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains 2-butanone oxime, ethyl methyl ketone oxime, ethyl methyl ketoxime. May produce an allergic reaction.

Further Information

The product is classified and labelled according to EC directives or corresponding national laws.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)