

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 06.02.2014

Version number 14

Revision: 06.02.2014

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

#### 1.1 Product identifier

**Trade name:** 3232 Osmo Polyx®-Oil Rapid, clear satin

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

**Application of the substance / the mixture** No further relevant information available.

**Application of the substance / the mixture** Coating compound/ Surface coating/ paint

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

**Manufacturer/Supplier:** Osmo Holz und Color GmbH & Co. KG  
Affhüppen Esch 12  
D-48231 Warendorf

#### Further information obtainable from:

Product safety department  
Phone: +49 (0) 251 / 692 - 188  
Fax: +49 (0) 251 / 692 - 462  
e-mail: helmut.starp@osmo.de

#### 1.4 Emergency telephone number:

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

##### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

R10: Flammable.

#### Information concerning

#### particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

#### Classification system:

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

##### Hazard pictograms



GHS02

##### Signal word

Warning

##### Hazard statements

H226 Flammable liquid and vapour.

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**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/open flames. - No smoking.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P271 Use only outdoors or in a well-ventilated area.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

Observe the general safety regulations when handling chemicals.  
 Always wear a dust mask when sanding.  
 Contains 2-butanonoxime. May produce an allergic reaction.

**Information concerning particular hazards for human and environment:**

Warning:  
 Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)  
 Must not be applied on the same spraying stand as lacquers or lacquer corrosives that contain NC (nitrocellulose). Risk of self-ignition.

**2.3 Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.







**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 64742-48-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39	aliphatic hydrocarbons, C10-C13  Xn R65 R66 -----  Asp. Tox. 1, H304	25-50%
CAS: 64742-49-0 EC number: 927-241-2 Index number: 649-328-00-1 Reg.nr.: 01-2119471843-32	aliphatic hydrocarbons, C9-C10  Xn R65 R10-52/53-66-67 -----  Flam. Liq. 3, H226  Asp. Tox. 1, H304  STOT SE 3, H336 Aquatic Chronic 3, H412	10-25%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

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#### **SECTION 4: First aid measures**

##### **4.1 Description of first aid measures**

<b>General information:</b>	Immediately remove any clothing soiled by the product. Take affected persons out into the fresh air.
<b>After inhalation:</b>	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
<b>After skin contact:</b>	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
<b>After eye contact:</b>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<b>After swallowing:</b>	If swallowed, seek medical advice immediately and show this container or label.

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

Headache  
Dizziness

##### **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

#### **SECTION 5: Firefighting measures**

##### **5.1 Extinguishing media**

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

Formation of toxic gases is possible during heating or in case of fire.

##### **5.3 Advice for firefighters**

**Protective equipment:** Mouth respiratory protective device.

**Additional information** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Cool endangered receptacles with water spray.

#### **SECTION 6: Accidental release measures**

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

Wear protective equipment. Keep unprotected persons away.  
Keep away from ignition sources.  
Ensure adequate ventilation

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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- 6.3 Methods and material for containment and cleaning up:** Inform respective authorities in case of seepage into water course or sewage system.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).  
Ensure adequate ventilation.  
Warm water and cleansing agent
- 6.4 Reference to other sections** See Section 13 for disposal information.

### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling** Keep away from heat and direct sunlight.  
Keep receptacles tightly sealed.  
Use only in well ventilated areas.  
Prevent formation of aerosols.

**Information about fire - and explosion protection:** Protect against electrostatic charges.  
Keep ignition sources away - Do not smoke.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:** Store in a cool location.  
Store only in the original receptacle.

**Information about storage in one common storage facility:** Do not store together with alkalis (caustic solutions).  
Do not store together with oxidizing and acidic materials.

**Further information about storage conditions:** Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

**7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

**64742-48-9 aliphatic hydrocarbons, C10-C13**

TWA (8 H)	Long-term value: 1.000 mg/m <sup>3</sup> , 150 ppm ppm
	Source: UK SIA

**Additional information:** The lists valid during the making were used as basis.

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**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing  
Keep away from foodstuffs, beverages and feed.  
Avoid contact with the eyes and skin.  
Do not eat, drink, smoke or sniff while working.  
Do not carry product impregnated cleaning cloths in trouser pockets.

**Respiratory protection:**

Not necessary if room is well-ventilated.  
Use suitable respiratory protective device only when aerosol or mist is formed.

Short term filter device:

Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)).

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Nitrile rubber, NBR

**Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.4$  mm

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).

**As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

**Eye protection:**

Tightly sealed goggles

**Body protection:**

Protective work clothing

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties****General Information****Appearance:**

**Form:** Fluid  
**Colour:** Yellowish  
**Odour:** Mild

**Change in condition**

**Melting point/Melting range:** Undetermined.

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<b>Boiling point/Boiling range:</b>	> 144 °C
<b>Flash point:</b>	45-52 °C (DIN EN ISO 2719)
<b>Ignition temperature:</b>	240 °C
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Explosion limits:</b>	
<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	6.0 Vol %
<b>Vapour pressure at 20 °C:</b>	10 hPa
<b>Density at 20 °C:</b>	0.88-0.90 g/cm <sup>3</sup> (DIN 51757)
<b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
<b>Viscosity:</b>	
<b>Kinematic at 20 °C:</b>	25-35 s (DIN 53211/4)
<b>Solvent content:</b>	
<b>VOC (EC)</b>	< 500 g/l (VOC-max. = 500 g/l (2010 A/i))
<b>9.2 Other information</b>	No further relevant information available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity****10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions**

Reacts with fabric soaked in the product (e.g. cleaning wool).

**10.4 Conditions to avoid**

No further relevant information available.

**10.5 Incompatible materials:**

No further relevant information available.

**10.6 Hazardous decomposition products:**Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)**Additional information:**

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

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**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values relevant for classification:**

**64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	> 5 mg/l (rat) (OECD 403)

**64742-49-0 aliphatic hydrocarbons, C9-C10**

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 / 4h	>20 mg/l (rat)

**96-29-7 2-butanonoxime**

Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50 / 4h	>10.5 mg/l (rat)

**Primary irritant effect:**

**on the skin:** At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

**on the eye:** Irritating effect.

**Sensitization:** Sensitizing effect by skin contact is possible by prolonged exposure.

**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:**

**64742-48-9 aliphatic hydrocarbons, C10-C13**

EC50 / 48h	> 1000 mg/l (daphnia) (OECD 202)
EC50/ 72h	> 1000 mg/l (algae) (OECD 201)
LC50 / 96h	> 1000 mg/l (fish) (OECD 203)

**64742-49-0 aliphatic hydrocarbons, C9-C10**

EC50 / 24h	<130 mg/kg (Oncorhynchus mykiss (Regenbogenforelle))
	>100 mg/kg (selenastrum capricornutum)

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**96-29-7 2-butanonoxime**

EC50 / 48h	201 mg/l (daphnia)
IC50 / 72h	11.8 mg/l (algae)
LC50 / 96h	>100 mg/l (fish)

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential****64742-49-0 aliphatic hydrocarbons, C9-C10**

log POW	4-5.7 (-)
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**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow product to reach ground water, water course or sewage system.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

**Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

08 01 11	waste paint and varnish containing organic solvents or other dangerous substances
15 01 10	packaging containing residues of or contaminated by dangerous substances

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Solvent naphtha

**SECTION 14: Transport information****14.1 UN-Number**

**ADR, IMDG, IATA** UN1263

**14.2 UN proper shipping name**

**ADR** 1263 PAINT

**IMDG, IATA** PAINT

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<b>14.3 Transport hazard class(es)</b>	
<b>ADR</b>	
<b>Class</b>	3 (F1) Flammable liquids.
<b>Label</b>	3
-----	
<b>IMDG, IATA</b>	
<b>Class</b>	3 Flammable liquids.
<b>Label</b>	3
<b>14.4 Packing group</b>	
<b>ADR, IMDG, IATA</b>	III
<b>14.5 Environmental hazards:</b>	
<b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b>	
<b>Danger code (Kemler):</b>	Warning: Flammable liquids.
<b>EMS Number:</b>	30
	F-E,S-E
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	
	Not applicable.
<b>Transport/Additional information:</b>	
-----	
<b>ADR</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	D/E
<b>UN "Model Regulation":</b>	UN1263, PAINT, 3, III

**SECTION 15: Regulatory information**

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

**National regulations:**

**GISBAU-Code**

GISCODE: Ö60

**VOC (EC)**

< 500 g/l (VOC-max. = 500 g/l (2010 A/i))

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

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- H336 May cause drowsiness or dizziness.  
 H412 Harmful to aquatic life with long lasting effects.  
 R10 Flammable.  
 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R65 Harmful: may cause lung damage if swallowed.  
 R66 Repeated exposure may cause skin dryness or cracking.  
 R67 Vapours may cause drowsiness and dizziness.

***Department issuing MSDS:***

product safety department

***Contact:***

Hr. Dr. Starp

***Abbreviations and acronyms:***

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent

***\* Data compared to the previous version altered.***

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

#### 1.1 Product identifier

**Trade name:** 3262 Osmo Polyx®-Oil Rapid, matt

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

**Application of the substance / the mixture** Paint

**advised against** No further relevant information available.

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

**Manufacturer/Supplier:** Osmo Holz und Color GmbH & Co. KG  
 Affhüppen Esch 12  
 D-48231 Warendorf

#### Further information obtainable from:

Product safety department  
 Phone: +49 (0) 251 / 692 - 188  
 Fax: +49 (0) 251 / 692 - 462  
 e-mail: helmut.starp@osmo.de

#### 1.4 Emergency telephone number:

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3 H226 Flammable liquid and vapour.

-----  
**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 .....

R10: Flammable.

#### Information concerning

**particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

#### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**



GHS02

**Signal word**

Warning

**Hazard statements**

H226 Flammable liquid and vapour.

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**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/open flames. - No smoking.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P233 Keep container tightly closed.  
 P271 Use only outdoors or in a well-ventilated area.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.







**Additional information:**

Observe the general safety regulations when handling chemicals.  
 Always wear a dust mask when sanding.  
 Contains 2-butanonoxime. May produce an allergic reaction.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 64742-48-9 EC number: 918-481-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39	aliphatic hydrocarbons, C10-C13  Xn R65 R66 -----  Asp. Tox. 1, H304	25-50%
CAS: 64742-49-0 EC number: 927-241-2 Index number: 649-328-00-1 Reg.nr.: 01-2119471843-32	aliphatic hydrocarbons, C9-C10  Xn R65 R10-52/53-66-67 -----  Flam. Liq. 3, H226  Asp. Tox. 1, H304  STOT SE 3, H336 Aquatic Chronic 3, H412	10-25%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures****General information:** Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

**After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

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<b>After skin contact:</b>	Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
<b>After eye contact:</b>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<b>After swallowing:</b>	If swallowed, seek medical advice immediately and show this container or label.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	Headache Dizziness
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	No further relevant information available.

### SECTION 5: Firefighting measures

<b>5.1 Extinguishing media</b>	
<b>Suitable extinguishing agents:</b>	CO <sub>2</sub> , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
<b>For safety reasons unsuitable extinguishing agents:</b>	Water with full jet
<b>5.2 Special hazards arising from the substance or mixture</b>	Formation of toxic gases is possible during heating or in case of fire.
<b>5.3 Advice for firefighters</b>	
<b>Protective equipment:</b>	Mouth respiratory protective device.
<b>Additional information</b>	Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources. Ensure adequate ventilation
<b>6.2 Environmental precautions:</b>	Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.
<b>6.3 Methods and material for containment and cleaning up:</b>	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Warm water and cleansing agent
<b>6.4 Reference to other sections</b>	See Section 13 for disposal information.

### SECTION 7: Handling and storage

<b>7.1 Precautions for safe handling</b>	Keep away from heat and direct sunlight.
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**Information about fire - and explosion protection:**

Keep receptacles tightly sealed.  
 Use only in well ventilated areas.  
 Prevent formation of aerosols.

Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store in a cool location.  
 Store only in the original receptacle.

**Information about storage in one common storage facility:**

Do not store together with alkalis (caustic solutions).  
 Do not store together with oxidizing and acidic materials.

**Further information about storage conditions:**

Keep container tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.

**7.3 Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**Additional information about design of technical facilities:**

No further data; see item 7.

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

**64742-48-9 aliphatic hydrocarbons, C10-C13**

TWA (8 H)	Long-term value: 1.000 mg/m <sup>3</sup> , 150 ppm ppm Source: UK SIA
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**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing  
 Keep away from foodstuffs, beverages and feed.  
 Avoid contact with the eyes and skin.  
 Do not eat, drink, smoke or sniff while working.  
 Do not carry product impregnated cleaning cloths in trouser pockets.

**Respiratory protection:**

Use suitable respiratory protective device only when aerosol or mist is formed.  
 Not necessary if room is well-ventilated.  
 Short term filter device:  
 Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)).

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<b>Protection of hands:</b>	Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
<b>Material of gloves</b>	Nitrile rubber, NBR
<b>Penetration time of glove material</b>	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>For the permanent contact gloves made of the following materials are suitable:</b>	Nitrile rubber, NBR Recommended thickness of the material: $\geq 0.4$ mm
<b>As protection from splashes gloves made of the following materials are suitable:</b>	Nitrile rubber, NBR
<b>Eye protection:</b>	Tightly sealed goggles
<b>Body protection:</b>	Protective work clothing

### SECTION 9: Physical and chemical properties

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

##### General Information

##### Appearance:

<b>Form:</b>	Fluid
<b>Colour:</b>	Yellowish
<b>Odour:</b>	Mild

##### Change in condition

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	$> 144$ °C

**Flash point:** 35-43 °C (DIN EN ISO 2719)

**Ignition temperature:** 240 °C

**Self-igniting:** Product is not selfigniting.

**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

##### Explosion limits:

<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	6.0 Vol %

**Vapour pressure at 20 °C:** 10 hPa

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<b>Density at 20 °C:</b>	0.93-0.95 g/cm <sup>3</sup> (DIN 51757)
<b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
<b>Viscosity:</b> <b>Kinematic at 20 °C:</b>	33-45 s (DIN 53211/4mm)
<b>Solvent content:</b> <b>VOC (EC)</b>	< 500 g/l (VOC-max. = 500 g/l (2010 A/i))
<b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

**10.1 Reactivity****10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions**

Reacts with fabric soaked in the product (e.g. cleaning wool).

**10.4 Conditions to avoid**

No further relevant information available.

**10.5 Incompatible materials:**

No further relevant information available.

**10.6 Hazardous decomposition products:**

Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)

**Additional information:**

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

### SECTION 11: Toxicological information

**11.1 Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values relevant for classification:**

**64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	> 5 mg/l (rat) (OECD 403)
<b>64742-49-0 aliphatic hydrocarbons, C9-C10</b>		
Oral	LD50	>2000 mg/kg (rat)

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Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 / 4h	>20 mg/l (rat)
<b>96-29-7 2-butanonoxime</b>		
Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50 / 4h	>10.5 mg/l (rat)

**Primary irritant effect:**

**on the skin:** At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

**on the eye:** Irritating effect.

**Sensitization:** Sensitizing effect by skin contact is possible by prolonged exposure.

## SECTION 12: Ecological information

**12.1 Toxicity****Aquatic toxicity:****64742-48-9 aliphatic hydrocarbons, C10-C13**

EC50 / 48h > 1000 mg/l (daphnia) (OECD 202)

EC50/ 72h > 1000 mg/l (algae) (OECD 201)

LC50 / 96h > 1000 mg/l (fish) (OECD 203)

**64742-49-0 aliphatic hydrocarbons, C9-C10**

EC50 / 24h <130 mg/kg (Oncorhynchus mykiss (Regenbogenforelle))

>100 mg/kg (selenastrum capricornutum)

**96-29-7 2-butanonoxime**

EC50 / 48h 201 mg/l (daphnia)

IC50 / 72h 11.8 mg/l (algae)

LC50 / 96h >100 mg/l (fish)

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential****64742-49-0 aliphatic hydrocarbons, C9-C10**

log POW 4-5.7 (-)

**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

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**12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

08 01 11	waste paint and varnish containing organic solvents or other dangerous substances
15 01 10	packaging containing residues of or contaminated by dangerous substances

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Solvent naphtha

**SECTION 14: Transport information**

**14.1 UN-Number**

**ADR, IMDG, IATA** UN1263

**14.2 UN proper shipping name**

**ADR** 1263 PAINT  
**IMDG, IATA** PAINT

**14.3 Transport hazard class(es)**

**ADR**

**Class** 3 (F1) Flammable liquids.  
**Label** 3

**IMDG, IATA**

**Class** 3 Flammable liquids.  
**Label** 3

**14.4 Packing group**

**ADR, IMDG, IATA** III

**14.5 Environmental hazards:**

**Marine pollutant:** No

**14.6 Special precautions for user**

Warning: Flammable liquids.

**Danger code (Kemler):** 30

**EMS Number:** F-E,S-E

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**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

**Transport/Additional information:**

**ADR**

<b>Limited quantities (LQ)</b>	5L
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	D/E

**UN "Model Regulation":** UN1263, PAINT, 3, III

**SECTION 15: Regulatory information**

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

**National regulations:**

**GISBAU-Code** GISCODE: Ö60  
**VOC (EC)** < 500 g/l (VOC-max. = 500 g/l (2010 A/i))

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

<b>Relevant phrases</b>	H226 Flammable liquid and vapour.
	H304 May be fatal if swallowed and enters airways.
	H336 May cause drowsiness or dizziness.
	H412 Harmful to aquatic life with long lasting effects.
	R10 Flammable.
	R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R65 Harmful: may cause lung damage if swallowed.
	R66 Repeated exposure may cause skin dryness or cracking.
	R67 Vapours may cause drowsiness and dizziness.

**Department issuing MSDS:** product safety department

**Contact:** Hr. Dr. Starp

**Abbreviations and acronyms:** ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances

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CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

***\* Data compared to the previous  
version altered.***

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

**1.1 Product identifier**

**Trade name:** **3240 Polyx®-Oil Rapid white transparent**

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

**Application of the substance / the mixture** Coating compound/ Surface coating/ paint

**advised against** No further relevant information available.

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:** Osmo Holz und Color GmbH & Co. KG  
 Affhüppen Esch 12  
 D-48231 Warendorf

**Further information obtainable from:**

Product safety department  
 Phone: +49 (0) 251 / 692 - 188  
 Fax: +49 (0) 251 / 692 - 462  
 e-mail: helmut.starp@osmo.de

**1.4 Emergency telephone number:**

emergency phone no. Berlin (24h): +49 (0) 30 / 30686 790 advisory service in German and English

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3 H226 Flammable liquid and vapour.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

R10: Flammable.

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

**Hazard pictograms**

The product is classified and labelled according to the CLP regulation.



GHS02

**Signal word**

Warning

**Hazard statements**

H226 Flammable liquid and vapour.

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**Trade name: 3240 Polyx®-Oil Rapid white transparent**

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**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/open flames. - No smoking.  
 P271 Use only outdoors or in a well-ventilated area.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

Observe the general safety regulations when handling chemicals.  
 Always wear a dust mask when sanding.  
 Contains 2-butanonoxime. May produce an allergic reaction.

**Information concerning particular hazards for human and environment:**

Warning:  
 Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)  
 Must not be applied on the same spraying stand as lacquers or lacquer corrosives that contain NC (nitrocellulose). Risk of self-ignition.







**2.3 Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.  
**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**
**3.2 Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

CAS: 64742-48-9 EC number: 918-481-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39	aliphatic hydrocarbons, C10-C13  Xn R65 R66 -----  Asp. Tox. 1, H304	25-50%
CAS: 64742-49-0 EC number: 927-241-2 Index number: 649-328-00-1 Reg.nr.: 01-2119471843-32	aliphatic hydrocarbons, C9-C10  Xn R65 R10-52/53-66-67 -----  Flam. Liq. 3, H226;  Asp. Tox. 1, H304;  STOT SE 3, H336; Aquatic Chronic 3, H412	10-<15%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures**
**4.1 Description of first aid measures**

**General information:** Immediately remove any clothing soiled by the product.  
 Take affected persons out into the fresh air.

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<b>After inhalation:</b>	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
<b>After skin contact:</b>	In case of unconsciousness place patient stably in side position for transportation. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
<b>After eye contact:</b>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<b>After swallowing:</b>	If swallowed, seek medical advice immediately and show this container or label.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	Headache Disziness
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	No further relevant information available.

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**5.2 Special hazards arising from the substance or mixture** Formation of toxic gases is possible during heating or in case of fire.

#### **5.3 Advice for firefighters**

**Protective equipment:** Mouth respiratory protective device.

**Additional information** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Cool endangered receptacles with water spray.

### **SECTION 6: Accidental release measures**

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

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

Ensure adequate ventilation

**6.2 Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

#### **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Ensure adequate ventilation.

Warm water and cleansing agent

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**6.4 Reference to other sections** See Section 13 for disposal information.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling** Keep away from heat and direct sunlight.  
 Keep receptacles tightly sealed.  
 Use only in well ventilated areas.  
 Prevent formation of aerosols.

**Information about fire - and explosion protection:** Protect against electrostatic charges.  
 Keep ignition sources away - Do not smoke.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store in a cool location.  
 Store only in the original receptacle.

**Information about storage in one common storage facility:**

Do not store together with alkalis (caustic solutions).  
 Do not store together with oxidising and acidic materials.

**Further information about storage conditions:**

Keep container tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.

**Storage class:**

3

**7.3 Specific end use(s)**

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

**64742-48-9 aliphatic hydrocarbons, C10-C13**

TWA (8 H)	Long-term value: 1.000 mg/m <sup>3</sup> , 150 ppm ppm Source: UK SIA
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**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing  
 Keep away from foodstuffs, beverages and feed.  
 Avoid contact with the eyes and skin.

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<b>Respiratory protection:</b>	Do not eat, drink, smoke or sniff while working. Do not carry product impregnated cleaning cloths in trouser pockets. Not necessary if room is well-ventilated. Use suitable respiratory protective device only when aerosol or mist is formed. Short term filter device: Gas filter EN 14387 Type A (organic gas / vapor (boiling point > 65 °C)).
<b>Protection of hands:</b>	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
<b>Material of gloves</b>	Nitrile rubber, NBR
<b>Penetration time of glove material</b>	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>For the permanent contact gloves made of the following materials are suitable:</b>	Nitrile rubber, NBR Recommended thickness of the material: $\geq 0.4$ mm For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374 Part 3: Level 6).
<b>As protection from splashes gloves made of the following materials are suitable:</b>	Nitrile rubber, NBR
<b>Eye protection:</b>	Tightly sealed goggles
<b>Body protection:</b>	Protective work clothing

**SECTION 9: Physical and chemical properties**
**9.1 Information on basic physical and chemical properties**
**General Information**
**Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Whitish
<b>Odour:</b>	Mild

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	> 144 °C

**Flash point:** 45-52 °C (DIN EN ISO 2719)

**Ignition temperature:** 240 °C

**Self-igniting:** Product is not selfigniting.

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<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Explosion limits:</b>	
<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	6.0 Vol %
<b>Vapour pressure at 20 °C:</b>	10 hPa
<b>Density at 20 °C:</b>	0.90-0.92 g/cm <sup>3</sup> (DIN 51757)
<b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
<b>Viscosity:</b>	
<b>Kinematic at 20 °C:</b>	35-45 s (DIN 53211/4)
<b>Solvent content:</b>	
<b>VOC (EC)</b>	< 500 g/l (VOC-max. = 500 g/l (2010 A/i))
<b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

**10.1 Reactivity****10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions**

Reacts with fabric soaked in the product (e.g. cleaning wool).

**10.4 Conditions to avoid**

No further relevant information available.

**10.5 Incompatible materials:**

No further relevant information available.

**10.6 Hazardous decomposition products:**Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)**Additional information:**

Warning:

Wash out any used cloth impregnated with this product immediately after use or store in an airtight container (danger of self-ignition)

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**SECTION 11: Toxicological information**
**11.1 Information on toxicological effects**
**Acute toxicity:**
**LD/LC50 values relevant for classification:**
**64742-48-9 aliphatic hydrocarbons, C10-C13**

Oral	LD50	> 5000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5000 mg/kg (rat) (OECD 402)
Inhalative	LC50 / 4h	> 5 mg/l (rat) (OECD 403)

**64742-49-0 aliphatic hydrocarbons, C9-C10**

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 / 4h	>20 mg/l (rat)

**96-29-7 2-butanonoxime**

Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50 / 4h	>10.5 mg/l (rat)

**Primary irritant effect:**

**on the skin:** At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

**on the eye:** not tested

**Sensitisation:** Sensitising effect by skin contact is possible by prolonged exposure.

**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**Sensitisation** Contains 2-butanonoxime. May produce an allergic reaction.

**SECTION 12: Ecological information**
**12.1 Toxicity**
**Aquatic toxicity:**
**64742-48-9 aliphatic hydrocarbons, C10-C13**

EC50 / 48h	> 1000 mg/l (daphnia) (OECD 202)
EC50/ 72h	> 1000 mg/l (algae) (OECD 201)
LC50 / 96h	> 1000 mg/l (fish) (OECD 203)

**64742-49-0 aliphatic hydrocarbons, C9-C10**

EC50 / 24h	<130 mg/kg (Oncorhynchus mykiss (Regenbogenforelle))
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	>100 mg/kg (selenastrum capricornutum)
<b>96-29-7 2-butanonoxime</b>	
EC50 / 48h	201 mg/l (daphnia)
IC50 / 72h	11.8 mg/l (algae)
LC50 / 96h	>100 mg/l (fish)

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
15 01 10*	packaging containing residues of or contaminated by dangerous substances

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Solvent naphtha

**SECTION 14: Transport information**

**14.1 UN-Number**

**ADR, IMDG, IATA** UN1263

**14.2 UN proper shipping name**

**ADR** 1263 PAINT

**IMDG, IATA** PAINT

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<b>14.3 Transport hazard class(es)</b>	
<b>ADR</b>	
<b>Class</b>	3 (F1) Flammable liquids.
<b>Label</b>	3
<hr/>	
<b>IMDG, IATA</b>	
<b>Class</b>	3 Flammable liquids.
<b>Label</b>	3
<b>14.4 Packing group</b>	
<b>ADR, IMDG, IATA</b>	III
<b>14.5 Environmental hazards:</b>	
<b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b>	
<b>Danger code (Kemler):</b>	Warning: Flammable liquids.
<b>EMS Number:</b>	30
	F-E,S-E
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	
	Not applicable.
<b>Transport/Additional information:</b>	
<hr/>	
<b>ADR</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	D/E
<hr/>	
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
<b>UN "Model Regulation":</b>	UN1263, PAINT, 3, III

**SECTION 15: Regulatory information**
**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**National regulations:**
**GISBAU-Code**

GISCODE: Ö60

**VOC (EC)**

&lt; 500 g/l (VOC-max. = 500 g/l (2010 A/i))

(Contd. on page 10)

**Safety data sheet**  
 according to 1907/2006/EC, Article 31

Printing date 16.01.2015

Version number 1

Revision: 16.01.2015

**Trade name: 3240 Polyx®-Oil Rapid white transparent**

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**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H226 Flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H336 May cause drowsiness or dizziness.  
 H412 Harmful to aquatic life with long lasting effects.  
 R10 Flammable.  
 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R65 Harmful: may cause lung damage if swallowed.  
 R66 Repeated exposure may cause skin dryness or cracking.  
 R67 Vapours may cause drowsiness and dizziness.

**Department issuing MSDS:**

product safety department

**Contact:**

Hr. Dr. Starp

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 Flam. Liq. 3: Flammable liquids, Hazard Category 3  
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
 Asp. Tox. 1: Aspiration hazard, Hazard Category 1  
 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

**\* Data compared to the previous version altered.**