

	NORDFLEX AK-P 0301 Code: 52363	
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Version: Provisional

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SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	<u>PRODUCT IDENTIFIER:</u>	NORDFLEX AK-P 0301 Code: 52363
1.2	<u>RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST:</u>	Intended uses (main technical functions): [X] Industrial [X] Professional [] Consumers One-pack primer, solvent-borne. Uses advised against: This product is not recommended for any use or sector of use industrial, professional or consume other than those previously listed as 'Intended or identified uses'.
1.3	<u>DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:</u>	ROBERLO, S.A. Carretera N-II, Km. 706,5 - E-17457 - Riudellots de la Selva (Girona) Phone: +34 972 478060 - Fax: +34 972 477394 E-mail address of the person responsible for the safety data sheet: e-mail: msds@roberlo.com
1.4	<u>EMERGENCY TELEPHONE NUMBER:</u>	+34 972 478060 (8:00-12:45 / 14:15-17:30 h.) (working hours)

SECTION 2 : HAZARDS IDENTIFICATION

2.1	<u>CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:</u>	Classification in accordance with Directive 1999/45/EC~2006/8/EC (DPD): R10 Xn:R20/21 R66 R52-53
2.2	<u>LABEL ELEMENTS:</u>	R10 , Xn <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px; text-align: center; line-height: 40px; font-size: 2em; color: black; background-color: orange;">X</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 10px;"></div> </div> This product is labelled as FLAMMABLE and HARMFUL in accordance with Directive 67/548/EEC~2009/2/EC and 1999/45/EC~2006/8/EC <u>R-phrases:</u> R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. <u>S-phrases:</u> S2 Keep out of reach of children. S23 Do not breathe vapour, spray. S24/25 Avoid contact with skin and eyes. S51 Use only in well-ventilated areas. <u>Supplementary statements:</u> P99 Contains mixture of diamide waxes, 2-butanone-oxime. May produce an allergic reaction. <u>Dangerous ingredients:</u> Xylene (mixture of isomers)
2.3	<u>OTHER HAZARDS:</u>	Not available.

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SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES:
Not applicable.3.2 MIXTURES:

This product is a mixture.

Chemical description:

Mixture of pigments, resins and additives in organic solvents.

Dangerous ingredients:

Substances taking part in a percentage higher than the exemption limit and presenting a health and/or environment hazard, and/or with a Communitarian workplace exposure limit:

10 < 25 %	Xylene (mixture of isomers) CAS: 1330-20-7 , EC: 215-535-7 DSD: R10 Xn:R20/21 Xi:R38 CLP: Flam. Liq. 3:H226 Acute Tox. (inh.) 4:H332 Acute Tox. (skin) 4:H312 Skin Irrit. 2:H315 Eye Irrit. 2:H319 STOT SE (irrit.) 3:H335 STOT RE 2:H373iE Asp. Tox. 1:H304	REACH: 01-2119488216-32	Index No. 601-022-00-9 < ATP25 < REACH
2,5 < 10 %	Hydrocarbons, C9, aromatics List No. 918-668-5 DSD: R10 Xn:R65 Xi:R37 R66-R67 N:R51-53 CLP: Flam. Liq. 3:H226 STOT SE (irrit.) 3:H335 STOT SE (narcosis) 3:H336 Asp. Tox. 1:H304 Aquatic Chronic 2:H411 EUH066	REACH: 01-2119455851-35	Autoclassified < REACH < REACH
< 2,5 %	Ethylbenzene CAS: 100-41-4 , EC: 202-849-4 DSD: F:R11 Xn:R20 CLP: Flam. Liq. 2:H225 Acute Tox. (inh.) 4:H332 STOT RE 2:H373iE Asp. Tox. 1:H304		Autoclassified
< 0,5 %	Reaction mass of N,N'-ethane-1,2-diylbis(hexanamide), 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N,N'-ethane-1, EC: 432-430-3 DSD: R43 R53 CLP: Skin Sens. 1:H317 Aquatic Chronic 4:H413	REACH: 01-0000017860-69	Index No. 616-200-00-1 < ATP01 < REACH / ATP01
< 0,20 %	2-butanone-oxime CAS: 96-29-7 , EC: 202-496-6 DSD: Carc. Cat.3:R40 Xn:R21 Xi:R41 R43 CLP: Acute Tox. (skin) 4:H312 Eye Dam. 1:H318 Skin Sens. 1:H317 Carc. 2:H351		Index No. 616-014-00-0 < ATP28 < CLP00
< 0,15 %	Naphtha (petroleum), hydrodesulfurized heavy CAS: 64742-82-1 , EC: 265-185-4 DSD: R10 Xn:R65 Xi:R38 R67 N:R51-53 CLP: Flam. Liq. 3:H226 Skin Irrit. 2:H315 STOT SE (narcosis) 3:H336 Asp. Tox. 1:H304 Aquatic Chronic 2:H411		Index No. 649-330-00-2 (Note H,P) < ATP30 < ATP01

For more information on dangerous ingredients, see sections 8, 11, 12 and 16.

Substances SVHC subject to authorisation, included in Annex XIV of Regulation (EC) no. 1907/2006:

None

Substances SVHC candidate to be included in Annex XIV of Regulation (EC) no. 1907/2006:

None



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SECTION 4 : FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST-AID MEASURES AND MAIN SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:

4.2



When in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Route of exposure	Symptoms and effects, acute and delayed	Description of first-aid measures
<u>Inhalation:</u>	Inhalation of solvent vapours may produce headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. Inhalation produces irritation to mucus, coughing and breathlessness.	Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.
<u>Skin:</u>	In case of prolonged contact, the skin may become dry.	Remove immediately contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners.
<u>Eyes:</u>	Contact with the eyes produces redness and pain.	Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Call a physician immediately.
<u>Ingestion:</u>	If swallowed, may cause irritation of the throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea.	If swallowed, seek immediate medical attention. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Specific treatment is necessary in case of exposition with this substance: the appropriate means with instructions must be available.

SECTION 5 : FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Extinguishing powder or CO₂. In the case of more important fires, also alcohol resistant foam and water spray/mist. Do not use for extinguishing: direct water jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Fire can produce a dense black smoke. As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide, phosphorus oxides. Exposure to combustion or decomposition products may be a hazard to health.

5.3 ADVICE FOR FIREFIGHTERS:

- Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, protective glasses or face masks and boots. The standard EN469 provides a basic level of protection for chemical incidents.
- Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product. Avoid breathing vapours.

6.2 ENVIRONMENTAL PRECAUTIONS:

Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc..). Clean preferably with a biodegradable detergent. Avoid use of solvents. Keep the remains in a closed container.

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6.4 REFERENCE TO OTHER SECTIONS:
 For contact information in case of emergency, see section 1.
 For information on safe handling, see section 7.
 For exposure controls and personal protection measures, see section 8.
 For subsequent waste disposal, follow the recommendations in section 13.

SECTION 7 : HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:
 Comply with the existing legislation on health and safety at work.
General recommendations:
 Avoid any type of leakage or escape. Keep the container tightly closed.
Recommendations for the prevention of fire and explosion risks:
 Vapours are heavier than air, may spread along floors to a considerable distance, can form explosive mixtures with air and are able to reach distant ignition sources and flame up or explode. Due to its flammability, this material should only be used in areas from which all naked lights and other sources of ignition have been excluded and away from other heat or electrical sources. Switch mobile phones off and do not smoke. No tools with a potential for sparks should be used.

- Flash point	:	29. °C
- Autoignition temperature	:	460. °C
- Upper/lower flammability or explosive limits	:	1.0 - 7.1 % Volume 25°C

Recommendations for the prevention of toxicological risks:
 Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.
Recommendations for the prevention of environmental contamination:
 Avoid any spillage in the environment. Pay special attention to the cleaning water. In the case of accidental spillage, follow the instructions indicated in section 6.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
 Prevent unauthorized access. Keep out of reach of children. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. If possible, avoid direct contact with sunlight. Avoid extreme humidity conditions. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.

<u>Class of store</u>	:	According to current legislation.
<u>Maximum storage period</u>	:	12. months
<u>Temperature interval</u>	:	min: 5. °C, max: 32. °C

Incompatible materials:
 Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.
Type of packaging:
 According to current legislation.
Limit quantity (Seveso III): Directive 96/82/EC~2003/105/EC:
 Lower threshold: 5000 tons , Upper threshold: 50000 tons

7.3 SPECIFIC END USES:
 For the use of this product do not exist particular recommendations apart from that already indicated.



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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **CONTROL PARAMETERS:**
If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689 standard concerning methods for assessing the exposure by inhalation to chemical agents and national guidance documents for methods for the determination of dangerous substances.

Occupational Exposure Limit Values (TLV) AGCIH 2010	TLV-TWA		TLV-STEL		Year	
	ppm	mg/m3	ppm	mg/m3		
Xylene (mixture of isomers)	100.	434.	150.	651.	A4	1996
Hydrocarbons, C9, aromatics	50.	290.			Internal value	
Ethylbenzene	100.	434.	125.	543.	A3	2002
Naphtha (petroleum), hydrodesulfurized heavy	100.	525.			Internal value	

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit.
A3 - Carcinogenic in animals.
A4 - Non classified as carcinogenic in humans.

Biological Limit Values:
Not available

Derived no-effect level (DNEL) for workers:
Not available

Predicted no-effect concentration (PNEC):
Not available

8.2 **EXPOSURE CONTROLS:**

OCUPATIONAL EXPOSURE CONTROLS: Directive 89/686/EEC~96/58/EC:
Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these measures are not sufficient to maintain concentrations of particulates and vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

Protection of respiratory system:
Avoid the inhalation of vapours. Avoid the inhalation of particles or spray mist arising from the application of this preparation.

- Mask:
Suitable combined filter mask for gases, vapours and particles (EN141/EN143). In order to obtain a suitable protection level, the filter class must be selected depending on the type and concentration of the contaminating agents present, in accordance with the specifications supplied by the filter producers. The respiratory equipment with filters does not work satisfactorily when the air contains high concentrations of vapour. If mask use is not sufficient, when operators, whether spraying or not, are inside the spraybooth, and ventilation is unlikely to be sufficient to constantly control particulates and solvent vapour in all cases, in such circumstances they should wear a compressed air-fed respiratory protective equipment (EN137) during the spraying process and until such a time as the particulates and solvent vapour concentration has fallen below the exposure limits.

Protection of eyes and face:
Install emergency eye baths close to the working area.

- Goggles:
Safety goggles designed to protect against liquid splashes, with suitable lateral protection (EN166).
- Face shield: No.

Protection of hands and skin:
Install emergency showers close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

- Gloves:
Gloves resistant against chemicals (EN374). The breakthrough time of the selected glove material should be in accordance with the pretended period of use. There are several factors (for example, temperature), they do in practice the period of use of a protective gloves resistant against chemicals is clearly lower than the established standard EN374. Due to the wide variety of circumstances and possibilities, we must have in mind the manual of instructions from manufacturers of gloves. The gloves should be immediately replaced when any sign of degradation is noted.
- Boots: No.
- Apron: No.
- Clothing:
It is advisable personnel wear antistatic clothing made of natural fibre or high temperature resistant synthetic fibre.





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ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid any spillage in the environment. Avoid any release into the atmosphere.

Spills on the soil: Prevent contamination of soil.

Spills in water: Harmful to aquatic organisms. May cause long-term adverse effects on the aquatic environment. Do not allow to escape into drains, sewers or water courses.

Emissions to the atmosphere: Because of volatility, emissions to the atmosphere while handling and use may result. Avoid any release into the atmosphere.

VOC (product ready for use*): It is applicable the Directive 2004/42/EC, on the limitation of emissions of volatile compounds due to the use of organic solvents: PAINTS AND VARNISHES (defined in the Directive 2004/42/EC, Annex I.1): Emission subcategory i) One-pack primer, solvent-borne. VOC (product ready for use*) : 403.2 g/l* (VOC max. 500. g/l* starting from 01.01.2010).

VOC (industrial installations): If this product is used in an industrial installation, it must be verified if it is applicable the Directive 1999/13/EC, on the limitation of emissions of volatile compounds due to the use of organic solvents in certain activities and installations: Solvents : 29.2% Weight , VOC (supply) : 28.0% Weight , VOC : 26.2% C (expressed as carbon) , Molecular weight (average) : 117.4 , Number C atoms (average) : 9.2.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

Appearance

- Physical state : Liquid.
- Colour : White.
- Odour : Characteristic.
- Odour threshold : Not available

pH-value

- pH : Not applicable

Change of state

- Freezing point : Not available
- Initial boiling point : 136.2 °C at 760 mmHg

Density

- Vapour density : 3.66 at 20°C 1 atm. Relative air
- Relative density : 1.44 at 20/4°C Relative water

Stability

- Decomposition temperature : Not applicable

Viscosity:

- Dynamic viscosity : 2600. cps 20°C Brookfield
- Kinematic viscosity : 610. mm²/s at 40°C

Volatility:

- Evaporation rate : 67. nBuAc=100 25°C Relative
- Vapour pressure : 5.6 mmHg at 20°C
- Vapour pressure : 3.7 kPa at 50°C

Solubility(ies)

- Solubility in water: : Not miscible
- Solubility in oils and fats: : Not applicable
- Partition coefficient: n-octanol/water : Not applicable

Flammability:

- Flash point : 29. °C
- Upper/lower flammability or explosive limits : 1.0 - 7.1 % Volume 25°C
- Autoignition temperature : 460. °C

Explosive properties:

Not applicable.

Oxidizing properties:

Not applicable.

9.2 OTHER INFORMATION:

- Solids : 72. % Weight
- Aromatic hydrocarbons : 28.0 % Weight
- VOC (supply) : 28.0 % Weight
- VOC (supply) : 403.2 g/l

The values indicated do not always coincide with product specifications. The data for the product specifications can be found in the technical data sheet of the same. For additional information concerning physical and chemical properties related to safety and environment, see sections 7 and 12.



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SECTION 10 : STABILITY AND REACTIVITY

10.1 REACTIVITY:
Not available.

10.2 CHEMICAL STABILITY:
Stable under recommended storage and handling conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:
Possible dangerous reaction with oxidizing agents, acids.

10.4 CONDITIONS TO AVOID:

- Heat: Keep away from sources of heat.
- Light: If possible, avoid direct contact with sunlight.
- Air: Not applicable.
- Humidity: Avoid extreme humidity conditions.
- Pressure: Not applicable.
- Shock: Not applicable.

10.5 INCOMPATIBLE MATERIALS:
Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:
As consequence of thermal decomposition, hazardous products may be produced: phosphorus oxides.

SECTION 11 : TOXICOLOGICAL INFORMATION

No experimental toxicological data on the preparation is available. The toxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

Contains sensitising substances. May produce an allergic reaction.

Routes of exposure: May be absorbed by inhalation of vapour, through the skin and by ingestion.

Short-term exposure: Exposure to solvent vapour concentrations in excess of the stated occupational exposure limit, may result in adverse health effects, such as mucous membrane and respiratory system irritation and adverse effects on kidneys, liver and central nervous system. Liquid splashes in the eyes may cause irritation and reversible damage. If swallowed, may cause irritation of the throat; other effects may be the same as described in the exposure to vapours. Harmful by inhalation. Harmful in contact with skin.

Long-term or repeated exposure: Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

Carcinogenic effects: Not available. Genotoxicity: Not available.

DOSE AND LETHAL CONCENTRATIONS

for individual ingredients :

	<u>DL50</u> (OECD 401)	<u>DL50</u> (OECD 402)	<u>CL50</u> (OECD 403)
	mg/kg oral	mg/kg cutaneous	mg/m3.4hours inhalation
Xylene (mixture of isomers)	4300. Rat	1700. Rabbit	22080. Rat
Hydrocarbons, C9, aromatics	3592. Rat	3160. Rabbit	6193. Rat
Ethylbenzene	3500. Rat	15400. Rabbit	17400. Rat
Reaction mass of N,N'-ethane-1,2-diylbis(hexanamide),	> 2000. Rat		
2-butanone-oxime	2400. Rat	1840. Rabbit	4830. Rat
Naphtha (petroleum), hydrodesulfurized heavy	6000. Rat	3000. Rat	



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SECTION 12 : ECOLOGICAL INFORMATION

No experimental ecotoxicological data on the preparation as such is available. The ecotoxicological classification for these preparation has been carried out by using the conventional calculation method of the Directive 1999/45/EC~2006/8/EC.

12.1	TOXICITY:	CL50 (OECD 203) mg/l.96hours	CE50 (OECD 202) mg/l.48hours	CE50 (OECD 201) mg/l.72hours
	for individual ingredients :			
	Xylene (mixture of isomers)	14. Fishes	16. Daphnia	
	Hydrocarbons, C9, aromatics	9.2 Fishes	3.2 Daphnia	2.9 Algae
	Ethylbenzene	12. Fishes	1.8 Daphnia	33. Algae
	Reaction mass of N,N'-ethane-1,2-diylbis(hexanamide),	> 1000. Fishes	> 1000. Daphnia	125. Algae
	2-butanone-oxime	843. Fishes	750. Daphnia	83. Algae
	Naphtha (petroleum), hydrodesulfurized heavy	2.6 Fishes	2.3 Daphnia	> 10. Algae

12.2 PERSISTENCE AND DEGRADABILITY:
Not available.

12.3 BIOACCUMULATIVE POTENTIAL:
Not available.

12.4 MOBILITY IN SOIL:
Not available.

12.5 RESULTS OF PBT AND MPMB ASSESMENT:
Not available.

12.6 OTHER ADVERSE EFFECTS:
Ozone depletion potential: Not available.
Photochemical ozone creation potential: Not available.
Earth global warming potential: In case of fire or incineration liberates CO2.
Endocrine disrupting potential: Not available.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS: Directive 2008/98/EC:
 Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

Disposal of empty containers: Directive 94/62/EC~2005/20/EC, Decision 2000/532/EC:
 Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.

Procedures for neutralising or destroying the product:
 Controlled incineration in special facilities for chemical waste, but in accordance with local regulations.



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SECTION 14 : TRANSPORT INFORMATION

14.1 UN NUMBER: 1263

14.2 UN PROPER SHIPPING NAME:
PAINT

14.3 TRANSPORT HAZARD CLASS(ES) AND PACKING GROUP:

14.4

Transport by road (ADR 2011):

Transport by rail (RID 2011):

Good not submitted to ADR.¹

Transport by sea (IMDG 35-10):

- Class: 3
- Packaging group: III
- Emergency Sheet (EmS): F-E,S_E
- First Aid Guide (MFAG): 310,313
- Marine pollutant: No.
- Transport document: Shipping Bill of lading.



Transport for viscous liquids in packages with capacity under 450 L according to 2.2.3.1.5. (ADR) or under 30 L according to 2.3.2.5. (IMDG).

Transport by air (ICAO/IATA 2011):

- Class: 3
- Packaging group: III
- Transport document: Air Bill of lading.



Transport by inland waterways (ADN):

Not available.

14.5 ENVIRONMENTAL HAZARDS:
Not applicable.

14.6 SPECIAL PRECAUTIONS FOR USER:
Not available.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:
Not applicable.

SECTION 15 : REGULATORY INFORMATION

15.1 EU SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC:

VOC information on the label:

Contains VOC max. 403.2 g/l - The limit value 2004/42/CE-IIA cat. i) for the product ready for use is VOC max. 500. g/l (2010).

RESTRICTIONS:

Restrictions on manufacture, placing on market and use, according to Annex XVII of Regulation (EC) No. 1907/2006:

Not applicable.

Recommended restrictions on use:

Not applicable.

OTHER REGULATIONS:

Not available

15.2 CHEMICAL SAFETY ASSESSMENT:
Not available.



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SECTION 16 : OTHER INFORMATION

16.1 TEXT OF THE PHRASES AND NOTES REFERENCED IN SECTIONS 2 AND/OR 3:

R-phrases according the Directive 67/548/EEC~2001/59/EC (DSD), Annex III:

R10 Flammable. R11 Highly flammable. R20 Harmful by inhalation. R21 Harmful in contact with skin. R37 Irritating to respiratory system. R38 Irritating to skin. R40 Limited evidence of a carcinogenic effect. R41 Risk of serious damage to eyes. R43 May cause sensitization by skin contact. R53 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. R20/21 Harmful by inhalation and in contact with skin. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements according the Regulation (EC) No. 1272/2008~790/2009 (CLP), Annex III:

H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. 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. H411 Toxic to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life. EUH066 Repeated exposure may cause skin dryness or cracking. H351 Suspected of causing cancer. H373iE May cause damage to hearing organs through prolonged or repeated exposure if inhaled.

Notes related to the identification, classification and labelling of the substances:

Note H : The classification and label shown for this substance applies to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown.

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1% w/w benzene (EC No. 200-753-7).

MAIN LITERATURE REFERENCES AND SOURCES FOR DATA:

- European Chemicals Bureau: Existing Chemicals, <http://ecb.jrc.ec.europa.eu/esis/>
- Industrial Solvents Handbook, Ibert Mellan (Noyes Data Co., 1970).
- Threshold Limit Values, (AGCIH, 2010).
- European agreement on the international carriage of dangerous goods by road, (ADR 2011).
- International Maritime Dangerous Goods Code IMDG including Amendment 35-10 (IMO, 2010).

MATERIAL SAFETY DATA SHEET REGULATIONS:

Material Safety Data Sheet in accordance with Article 31 of Regulation (EC) No. 1907/2006 (REACH) and Annex I of Regulation (EU) No. 453/2010.

HISTORY:

Version: Provisional

The information of this Material Safety Data Sheet, is based on the present state of knowledge and on current UE and national laws, as the users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified, without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this Material Safety Data Sheet is meant as a description of the safety requirements of the product and it is not to be considered as a guarantee of the product's properties.