

# MATERIAL SAFETY DATA SHEET



marine paints

Product name : 0725 NElfAMAR VINYL PLUS  
Intended use : Solvent based vinyl paint  
Revision date : 26-10-2012  
Version : 02

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## 1. IDENTIFICATION OF THE COMPANY

Name : NElf MARINE PAINTS BV  
Address : P.O. box 26  
9172 ZS Ferwert  
E-mail : info@nelf.nl  
Telephone number : +31(0)518 - 418000

## 2. HAZARD IDENTIFICATION OF THE PREPARATION

Flammable. Harmful by inhalation and in contact with skin. Irritating to skin Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEG

Names	Conc.Range	Symb	R-phrases (*)	CAS-NR.	EINECS.NR
Xylene isomer mixture	> 10 - < 20 %	Xn	R10,20/21,38	1330-20-7	215-535-7
1,2,4-trimethylbenzene.	> 2,5 - < 10 %	Xn, N	R10,20,36/37/38,51/53	95-63-6	202-436-9
Mesitylene	< 2,5 %	Xi	R10,37,51/53	108-67-8	203-604-4
Cumene	< 2 %	Xn,N	R10,37,51/53	98-82-8	202-704-5
Nafta with low boiling point	< 5 - < 15%	Xn	R 10,20,36/37/38	95-63-6	202-436-9
2-Butanonoxim	< 0,2 %	Xn	R 21,40,41,43	96-29-7	
Diamine waxmixture	< 0, 5%	Xi, N	R 43, 51/53		
Isotridecylalcohol	< 1 %	Xi, N	R36/38, R 51/53	164383-18-0	

(\*) See full text of phrases under chapter 16.

## 4. FIRST AID MEASURES

### General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

### Inhalation

Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

### Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleaner. Do not use solvents or thinners.

### Eye contact

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

### Ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

## 5. FIRE – FIGHTING MEASURES

### Extinguishing media

Alcohol resistant foam, CO2, Powders, water spray

### Not to be used

Water jet

### Special risks by exposure

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

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### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautionary measures

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

Contain and collect spillage with non-combustible absorbent materials and place in container for disposal according to local regulations (see section 13).

#### Precautionary measures for the environment

Do not allow to enter drains or watercourses. Warn the local authorities when it is happening.

#### Cleaning

Clean preferably with a detergent: avoid use of solvents.

### 7. HANDLING AND STORAGE

#### Handling

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Preparation may charge electrostatic: always use earthed leads when transferring from one container to another.

Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

Keep container tightly closed. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Never use pressure to empty; container is not a pressure vessel. Always keep in containers of same material as the original one.

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Comply with the health and safety at work laws.

#### Storage

Store in accordance with the national regulations.

Observe label precautions. Store between +5 and + 30 °C. in a dry, well ventilated place away from sources of heat and direct sunlight. Keep away from sources of ignition. Keep away from oxidising agents, from strong alkaline and strongly acid materials. No Smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### Specific usage

Application method: For more detailed information see the Technical Leaflet of this product.

### 8. EXPOSURES CONTROLS AND PERSONAL PROTECTION

#### Exposure Limits

Occupational exposure limit for:

	TWA (1)		STEL (2)	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Xylene – isomer mixture	50	210		
1,2,4-trimethylbenzene.	20	100		
Mesitylene	20	100		
Ethyl benzen	50	215		
Cumene	100	20		
Nafta with low boiling point	19	100		

(1) Time Weight Average (2) Short Term Exposure Limits

#### Engineering Measures

Provide adequate ventilation. Where reasonable practical this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particles and solvent vapour below the OEL, suitable respiratory protection must be worn.

#### Personal protection

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### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

### Hand protection

For prolonged or repeated contact use a barrier cream. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. Also gloves can help to protect.

A cream can help to protect the skin, it is not allowed to use a cream after contact with the product.

### Eye protection

Use safety eyewear designed to protect against splash of liquids.

### Skin protection

Personal should wear antistatic clothing made of natural fibre or of high temperature resistant synthetic fibre. All parts of the body should be washed after contact.

### Measures of protection of the environment

It is not allowed to enter the product into drains or watercourses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General data

Physical state: liquid Smell: aromatic

### Important data for health, safety and environment

pH	: NA	Method	
Flashpoint	: > 23 °C.	Method	ISO 3679
Viscosity at 20 °C.	: 18-20 Poise	Method	ISO 2884
Density	: 1,29 kg/dm <sup>3</sup>	Method	ISO 2811
Lower explosion limit	: 1,4 vol%		
Solubility in water	: Not miscible		
VOC	: 479 gram/litre	Cat. Ai/SG	

## 10. STABILITY AND REACTIVITY

### To be avoided circumstances

Stable under recommended storage and handling conditions. (See section 7). When exposed to high temperatures may produce hazardous decomposition products.

### Materials which are not allowed to be in contact with the product

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### Harmful decomposition products.

Carbon monoxide and dioxide, smoke, oxides of nitrogen.

## 11. TOXICOLOGICAL INFORMATION

There are no data available on the preparations itself.

This product is evaluated according the method of the Guideline 1999/45/EC and classified because of toxic risks. See sections 2 – 15 for extra information.

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eye may cause irritation and reversible damage.

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### 12. ECOLOGICAL INFORMATION

There are no data available on the preparation itself. The product should not to be allowed to enter drains or watercourses. The product is evaluated according the method of 1999/45/EC and is classified as not harmful for the environment but contains raw materials witch are dangerous for the environment. See section 2 for details.

### 13. DISPOSAL CONSIDERATIONS

Do not allow into drains or watercourses. Waste and emptied containers should be carried off in according with the local regulations. The European Waste Catalogue of this product is 08.11.11.

### 14. TRANSPORT INFORMATIONS

#### Transport on the territory of the company

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### General UN regulation:


Transport name : PAINT  
UN number : 1263  
Class : 3  
Subclass :  
Package group : III

#### Road / rail transport (supplementary information according ADR):

Transport label(s) : 3  
Dangers identifications number : 33  
Special remarks : --  
Exempt conform par. 2.2.3.1.5 (ADR) : For packages till 450 litre

### 15. REGULATORY INFORMATION

Labelling according the regulation 1999/45/EC

Symbol :  Harmful

R-phrases : Flammable  
Harmful by inhalation and in contact with skin  
Irritating to skin  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases : This material and its container must be disposed of in a safe way  
In case of fire use powders. Never use water  
Use only in well-ventilated areas  
If swallowed, seek medical advice immediately and show this container or label  
Avoid release to the environment. Refer to special instructions/safety data sheet  
Do not breathe vapour/spray

Additional phrases :

The information in this MSDS is only general information, the user of this product is still responsible to judge the risks on the production unit.

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### 16. OTHER INFORMATION

**Reason of change** : Recalculation

Text R-phrases mentioned in chapter 2:

R10 : Flammable  
R11 : Highly flammable  
R20 : Harmful by inhalation  
R20/21 : Harmful by inhalation and in contact with skin  
R36/38 : Irritating to eyes and skin  
R37 : Irritating to respiratory system  
R38 : Irritating to skin  
R36/37/38 : Irritating to eyes, respiratory system and skin  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R65 : Harmful: may cause lung damage if swallowed

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The information of this MSDS is based on the present state of our knowledge and on current EEC 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 in the header 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 MSDS is meant as a description of the safety requirements of our product; it is not to be considered as a guarantee of the products' properties.