			1505	
Product name		ET SURFACE 88 HT R T DARK	Code	15152079
	GRAY N3.5 C 11.10.2019	OMPONENT A	Page: 1 c	of 14
	1. PROD	UCT AND COMPANY IDENTIF	ICATION	
Product name	:	WEGPOXI WET SURFACE 8 COMPONENT A	8 HT R T DARI	K GRAY N3.5
Code	:	15152079		
Main recommended	uses :	Coating for maritime sector		
Address	:	Rodovia BR 280 - km 50 CEP 89270-000, Guaramirin	n - SC	
Telephone	:	+55 47 3276-4000		
Emergency telephor number	ie :	0800 720 8000		
E-mail / site	:	tintas@weg.net www.we	g.net	

2. HAZARD IDENTIFICATION

Mixture classification Flammable liquids	:	Category 3				
Skin Corrosion/irritation	:	Category 2				
Serious eye damage/eye irritation	:	Category 2A				
Skin sensitization	:	Category 1				
Hazardous to the aquatic environment - Acute	:	Category 2				
Hazardous to the aquatic environment - Cronic	:	Category 2				
Classification according to NBR 14725-2/2019						

Labelling Elements

Product name	MATERIAL SAFETY DATA SHEET - WEGPOXI WET SURFACE 88 HT R T DARI GRAY N3.5 COMPONENT A		15152079	Ш	
ast revision:	11.10.2019	Page: 2 o	f 14	_	
Warning phrase	: Warning				
Hazard phrases	: H226 Flammable liquid a H315 Causes skin irritatio H319 Causes serious eye H317 May cause an aller H401 Toxic to aquatic life H411 Toxic to aquatic life	on. e irritation. gic skin reactior e.			
Caution Phrases	: Prevention: P210 Keep away from he and other ignition sources		s, sparks, open fla	mes	
	P233 Keep container tigh	itly closed.			
	P240 Ground/bond conta	iner and receivi	ng equipment.		
	Reaction: P303+P361+P353 IF ON all contaminated clothing			ately	
	P333+P313 If skin i medicaladvice/attention.	rritation or a	a rash occurs:	Get	
	P337+P313 If eye advice/attention.	irritation pe	ersists get med	dical	
	P362+P364 Take off cor reuse.	ntaminated cloth	ning and wash it be	fore	
	P370+P378 In case of extinguish.	fire: Use as c	hapter 5 of MSDS	S to	
	P391 Collect spillage.				
	Storage: P403+P235 Store in a we	ell ventilated pla	ce. Keep cool.		
	Treatmentand disposal P501 Dispose of conte MSDS.		as chapter 13 of	the	

3. COMPOSITION AND INFORMATION ABOUT THE INGRENDIENTS

Product type:	: Mixture			
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	GRAY N3.5 COMPONENT A			
Product name	WEGPOXI WET SURFACE 88 HT R T DARK	Code	15152079	Ш2
	MATERIAL SAFETY DATA SHEET - MS	DS		

Ingrendients that contribute to danger:

Product name	CAS No.	Risck classification	Concentration [%]
EPOXI RESIN	25068-38-6	Serious eye damage/eye irritation , Category 2A Skin Corrosion/irritation , Category 2 Skin sensitization , Category 1 Hazardous to the aquatic environment - Cronic , Category 2 Hazardous to the aquatic environment - Acute , Category 2	>= 20 - < 30

4. FIRST AID MEASURES

Inhalation	:	Take the victim to fresh air, keeping them rested and warm. If breathing is irregular or has stopped, apply artificial respiration. Do not give anything orally. Seek medical assistance immediately, bringing the product label whenever possible.
Contact with the skin	:	Remove the product with vegetal oil (cooking oil) and then wash the skin thoroughly with plenty of water. Do not use solvents or thinners. Seek medical attention in case of any irritation or other symptoms.
Contact with the eyes	:	Remove contact lenses, if wearing any. Flush the eyes with running water for at least 15 minutes, holding the eyelids apart. Seek medical assistance immediately, bringing the product label with you.
Ingestion	:	Do not provoke vomiting. Consult with a doctor immediately.
Most important symptoms and effects, both acute and delayed	:	Headaches, dizziness, fatigue and in extreme cases, loss of consciousness.
•	:	Treat symptomatically. Do not induce vomiting because of risk of aspiration of gastric contents into the lungs. Gastric lavage is recommended when the patient ingests large quantities, more than 5ml of the substance in its pure form. The toxic potential of the quantity consumed must be evaluated in relation to the risk of aspiration during gastric lavage. Activated coal in solution could be useful. However, in some cases the coal induces vomiting.

Product name

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing methods	:	Water in mist form Carbon dioxide (CO2) Foam alcohol resistent Dry chemical powder
Extinguishing methods not recommended	:	Direct water jet.
Specific dangers	:	Flammable liquid and vapour. Dangerous when exposed to heat or ignition source. Exposed packaging to the fire may rupture due to the increased pressure with risk of a subsequent explosion. The vapours are havier than the air and spread close to the ground and it can move to the ignition source and provoke fire or backspace of the flames. Avoid the accumulation of vapours in depressions on the ground, manholes, basement etc. The vapours and/or the particles finely divided (spray) may form explosive mixtures with the air. In case of burning of the product, it forms carbon and nitrogen compounds. The inhalation of these subproducts may cause damage to health.
Protective measures of the fire fighting team.	:	The personnel involved in firefighting should wear self contained breathing apparatus with positive pressure and full protection clothes.
Specific methods	:	Evacuate and isolate the area. Approach from fire with wind at your back. Fight the fire to a secure distance. Remove the packaging of the product from the fire area if this can be made with safety. Chill sideways with water in form of fog all the closed packaging near the fire. Avoid that the resulting water from fire fighting reaches drains or waterways. Use dikes to contain this water and eliminate it according to environmental regulations.

6. SPILL / LEAK CONTROL PROCEDURES

Personal precautions, protective equipment and emergency procedures

For the emergency service staff	:	If specialized clothing is needed to combat the leak/spillage, Section 8 should be consulted. All precautions described in the following section must be followed.
For staff who are not part of the emergency services	:	No action should be taken that may generate danger to people without adequate training and

	MATERI	AL SAFETY DATA SHEET - MS	DS	
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		qualifications.Understand the products. Use appropriate pe see section 8. Evacuate surro keep onlookers away. Do not material. Eliminate all sources vapor or mist. Provide adequa appropriate respiratory mask accordance with characteristi and in relation to the amount additional emergency measure supervision of a trained profe	rsonal prote bunding area touch or was of ignition. ate ventilation when ventil cs of the loc of spilled/le res may be	ective equipment - as. Isolate area and alk through spilled Avoid breathing on if possible. Wear ation is inadequate.In cation and/or area aked product,
Environmental precautions :		 Prevent the product or the wa waterways, channels, drains, or galleries. spi lled liquid with inert material s approprieate, use absorbent materials such etc. 	In case of such as san	significant spill, retain d or earth. In
Methods and m	aterials for cont	ainment and cleaning		
Large spills / le	eaks :	Understand the da products.Approaching the site leak if this can be done safe depressions in the floor. If the Confine the spill in a dike ar disposal. Remove local packa sparkling tools and explosio product. All equipment used be electrically grounded. So (sand, vermiculite) placing the	e with the v ly. Prevent is happens way from th aging from t n-proof equ when hand ak up with	from entering holes / to provide ventilation. he leak point for later he spills site. Use anti ipment to collect the ling the product must an inert dry material

Small spills / leaks
 Stop the leak if this can be done safely.Cover up spillage in a tarp to prevent the spread by wind or rain. Use antifaiscantes tools and explosion-proof equipment properly grounded to collect the product. Place the material collected in dry, clean and properly identified containers. Cap the container loosened so removing them from the spill site. Avoid formation of dust. Remove the packaging from the spill site. If there is product disposal need refer to chapter 13

later disposal - see chapter 13.

Contain and collect the material of the leak with absorbent materials and non-combustible, such as sand, earth, vermiculite, calcined diatomite, etc. in a waste container in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

	MATERIAL SAFETY DA	TA SHEET - MS	DS	
	VEGPOXI WET SURFACE 88 RAY N3.5 COMPONENT A	HT R T DARK	Code	15152079
	1.10.2019		Page: 6	of 14
Instructions for safe treatment				nergency showers and locations of use and
Precautions for safe	8; The product natural ventilation; TI International Standards (B taking into act for the local a Use anti-spar operations, m must be prop accumulation surfaces, spa Do not smoke smoke as we Eating and dr material is ha wash their ha Remove cont before enterir original packa hazardous ar the packaging installed in th Do not handle	ct handling shoul ation or with the he electrical insta Electrical Comm razilian Associat count the results and/or product in thing tools when hetal containers r erly grounded to of static energy arks, open flames e;Do not ingest. Il as avoid conta inking should be andled, stored an ands before eatin aminated clothin ng food areas; A aging, sealed; Er hd should be disp g;Emergency sho	Id occur in presence of allations mu- ission Stan- ion of Techs of the class stalation. handling the must be use avoid spar ; Handle ar s, and other Avoid inhal- ct with eyes prohibited ad processe g, drinking g and prote fter use kee mpty contai posed of pro- owers and ge places. til you have	ust comply with the idards (IEC), ABNT inical Standards), asification area study the product; In transfer ed and all containers rkling by the and use away from hot r sources of ignition. ation of vapors or s, skin and clothing; in the area where the ed. Workers should and smoking. ective equipment ep the product in its ners may be operly. Do not reuse eye washer should be a read and understood
Fire protection	of vapors in o of the system grounded Ke	explosive concer n, in contact with ep away from he	ntrations.Al the produce at and so	prevent accumulation I conductive elements ct, must be electrically urces of ignition.Tools ed.Do not smoke.
Storage conditions				
Substances to be ave	bid : Keep away f strong alkalin		gents, stro	ng acid solutions and
Storage conditions	Electrical Co standards an Technical Sta impermeable allow run off	de) or IEC (Inte d/or those of the andards). The fle , non-combustib f into the conta	rnational E e ABNT (B oor of the ole and mu inment res	y with NEC(National lectrical Commission) razilian Association of storage area must be ust have ditches that ervoir. Storage tanks nd have drains in case
Appropriate storage conditions				well ventilated and ght.Store in a closed
Inappropriate stora conditions				un and rain.Close to sources of heat and

	MATERI	AL SAFETY DATA SHE	ET - MSDS			
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		ignition.				
Materials to avoic	i :	Do not store with exp gases, oxidizing, corr generate spontaneous	osive subst	tances, or		
Secure packaging	materials					
Recommended pa materials	ackaging :	Amber type glass. Metal packaging				
Packaging materi avoided	als to be	Certain plastic materia	als			

8. EXPOSURE CONTROL – PERSONAL PROTECTION

The information in this chapter contain general guidelines. Chapter 1 should be consulted for any information on the recommended use of this product in different scenarios of exposure.

Engineering control measures	 Preferably use the product in adequate application cabin. In case it is not possible, provide exhaustion/ventilation enough to keep the concentration of the agents indicated in this section under the limits of tolerance (L.T.), otherwise, use adequate respiratory protection equipment. The engineering controls should keep the concentrations of gas/vapour under the limit of LEL - Lower Explosive Limit (see section 9). Use equipment explosion proof.

Control parameters

Occupational Exposure Limits

Name	CAS No.	TLV/TWA	TLV/STEL	TLV/TETO	Source
EPOXI RESIN	25068-38-6				

*PPM - parts of vapour or gas per million of parts of contaminated air

**MG/m³ - miligrams per cubic meter of air.

Personal protective equipment required					
Respiratory protection :	In case of the concentrations are above the indicated tolerance limits, the use of appropriated mask is necessary for this goal (half-face mask or full face mask with filter to organic vapors and acid gases).				
Eye protection :	Use hermetic goggles to protect against liquid splashes.				

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Body and skin p	rotection	It is recommended the use of apron barber type to protecting upper limbs, trunk and lower limbs in case of splash. In case of risk of static electricity generation the cloth should be antistatic, includin the apron.	

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid
State of matter	:	Liquid
Color	:	Gray
Odour	:	Distinctive
Odour limit	:	Not applicable
рН	:	Not applicable
Melting point	:	Data not available.
Boiling point	:	Data not available.
Flash Point (Open cup)	:	28 °C
Evaporation rate	:	Data not available.
Inflammation point	:	Method: Data not available.
Upper explosive limit	:	Data not available.
Lower explosive limit	:	Data not available.
Vapor pressure		Data not available.
Density		1,70 - 1,80 g/cm ³
2011011	•	.,
Solubility(ies)	:	Water-insoluble
N-octano /water partition coefficient	:	Data not available.
Auto flammability	:	Data not available.
Cinematic viscosity (25°C) Vapor density	:	90 - 110 UK (A+B) Data not available.
Decomposition temperature	:	

079		Π

Product name	WEGPOXI WET SURFACE 88 HT R T DARK GRAY N3.5 COMPONENT A		Code	15152079		
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	1	10	. STABILITY AND REACTIVITY			
Reactivity	:		Presents no reactivity at roon conditions of use.	n temperat	ture and under normal	
Chemical stability	:		Stable at room temperature use. Unstable at temperatures			
Possibility of dang reactions	gerous :	:	Presents no reactivity at room conditions of use. None when the product is correctly.			
Need to add additi inhibitors	ves and :	:	Not necessary.			
Conditions to avoi	id :	:	Extreme heat and open flame			
Incompatible mate	erials :	:	Do not store with explosive r gases, oxidizing, corrosive su generate spontaneous combu Plastic materials soluble in Xy	ibstances, stion.		
Dangerous produce decomposition	cts of :	:	Produces noxious gases su carbon dioxide (CO2) and nitre			

11. TOXICOLOGICAL INFORMATION

Components EPOXI RESIN

Acute toxicity by oral use	: Test species DL50 Observations	Rat 11.400 mg/kg
Acute toxicity by inhalation	: Test species DL50 Observations	Rat Data not available.
Acute toxicity by cutaneous use	: Test species DL50 Observations	Rabbit 22.800 mg/kg
Acute toxicity (other methods of administration)	: Test species DL50 LC50 Non-standard unit value	Data not available.
Corrosion/irritation of skin	: Category 2	
.		

Serious eye damage/eye : Category 2A irritation

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Respiratory sensitivity	or dermal	: Category 1		
Mutagenese	es	: Data not available.		
Carcinogen	icity	: Data not available.		
Toxic effect reproductio		: Data not available.		
Specific targ toxicity (ST exposure		: Data not available.		
Specific targ toxicity (ST exposure		: Data not available.		
Aspiration ha	azard	: Data not available.		

12. ECOLOGICAL INFORMATION

Stability in soil	:	The product easily infiltrates into the soil
Other toxicological observations	:	Data not available.
Ecotoxicity	:	Contaminates the ground water. Detrimental to the fauna Detrimental to the flora.

13. DIOSPOSAL AND TREATMENT CONSIDERATIONS

Recommended methods for final disposal

Product :	Class I Waste - Dispose of in industrial landfill or a facility authorized for recycling in accordance with federal, stateor local regulations
Product	Class I Waste - Dispose of in industrial landfill or a facility authorized for recycling in accordance with federal, stateor local regulations
Product	Class I Waste - Dispose of in industrial landfill or a facility authorized for recycling in accordance with federal, stateor local regulations
Product	Class I Waste - Dispose of in industrial landfill or a facility authorized for recycling in accordance with federal, stateor local regulations
Product	Class I Waste - Dispose of in industrial landfill or a facility authorized for recycling in accordance with federal, stateor local regulations

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Waste	: Class I Waste - Dispo authorized for recyclin				
Waste	local regulations Class I Waste - Dispo authorized for recyclin				
Waste	local regulations Class I Waste - Dispo authorized for recyclin				
Waste	local regulations Class I Waste - Dispo authorized for recyclin				
Waste	local regulations Class I Waste - Dispo authorized for recyclin local regulations				
Used packaging	: Clean packaging shoul class I waste should b facility authorized for state or local regulation	e disposed recycling ir	of in in	dustrial landfill o	ra
	Clean packaging shoul class I waste should b facility authorized for state or local regulation	e disposed recycling ir	of in in	dustrial landfill o	ra
	Clean packaging shoul class I waste should b facility authorized for state or local regulation	e disposed recycling ir	of in in	dustrial landfill o	ra
	Clean packaging shoul class I waste should b facility authorized for state or local regulation	e disposed recycling ir	of in in	dustrial landfill o	ra
	Clean packaging shoul class I waste should b facility authorized for state or local regulation	e disposed recycling ir	of in in	dustrial landfill o	ra

14. TRANSPORTATION INFORMATION

fLand		
ONU	:	1263
Class of risk	:	3
Risk number	:	30
Packaging group	:	III
Name		Paint (including coats, lacquers, enamels, colorant, gum-

				20	
			SAFETY DATA SHEET - MSI		
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			lacquers, varnishes, polishes	s, liquid fille	rs and liquid lacquers)
Shipping					
ONU		:	1263		
Class of ris	k	:	3		
Packaging	group	:	III		
EmS			F-E		
MFAG			310		
Appropriate dispatch	name for		Paint (including coats, lacqu lacquers, varnishes, polishes		
Air transport					
ONU		:	1263		
Class of ris	k	:	3		
Packaging g	group	:	III		
Appropriate dispatch	a name for		Paint (including coats, lacqu lacquers, varnishes, polishes		

15. REGULATORY INFORMATION

This MSDS (Material Safety Data Sheet) was generated according to the criteria of NBR 14725/2014. (Brazilian standard that defines the GHS).

Specific Regulations for the Chemical Product.	Federal Decree No. 2657, July 3rd , 1998.
	Ordinance No. 229, May 24th, 2011 - Changes to Regulatory Standard No. 26.
	ABNT NBR 14725: 2014 - valid from 19/12/2014 -
	Amendment 1 (19/11/2014).
	Law No. 12305, August 2nd 2010 (Solid Waste National Policy).
	Decree No. 7404, December 23rd , 2010.
	Resolution ANTT N° 5.232, December 14th 2016.

16. ADDITIONAL INFORMATION

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Acronyms Used:

Legenda:

CAS	Chemical Abstract Service
VO	Organic Vapors
NEC	National Eletrical code/Código Nacional de Eletricidade
IEC:	International Eletrical Commision
ABNT	Brazilian Association of Technical Standards
ACGIH	American Conference of Governmental Industrial Hygienists
TLV	Threshold Limit Values
TLV/TWA	Time Weighted Average
TLV/STEL	Short Term Exposure Limit
TLC/C:	Tolerance Limit - Ceiling Value
EPI:	Individual Protective Equipment
CA	Approval Certificate
PPRA	Environmental Risk Prevention Program
NR	Regulatory Standard
NFPA	National Fire Protection Agency
mmHg	Millimeters of mercury - pressure unit
DL50	Lethal Dose average
CL50	Lethal Concentration average
ppm	Parts per million
N.d	Not available
A+B	Viscosity of the mixture of component A + component B

Important information, but not specifically described in the previous sections:

This MSDS was prepared based on current knowledge about the handling of the product under normal conditions of use, according to the application specified on the packaging and recommended usage in Section 1 of this MSDS. Any other use of the product involving its combination with other materials, as well as forms of use different from those indicated, are the user's responsibility. The company advises that the handling of any chemical substance requires prior knowledge of its hazards by the user. In the workplace it is responsibility of the company user of the product to provide training of its employees and contractors about the possible risks arising from exposure to the chemical.

We reserve the right to change the information contained in this document without prior notice, due to the improvement and continuous evolution of the product and technical knowledge.

References

: Data not available.

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