



SAFETY DATA SHEET

According to Regulation (EC) No. 1907 / 2006

Form Number

ET960-*

Substance / Mixture Name

ETACLEAR 960SR clearcoat 2:1

Printing Date

Revision Date

Revision No

07.2012

05.12.2016

2

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

1.1- Product identifier:

Product Name ETACLEAR 960SR clearcoat 2:1
Product Code ET960-*

1.2- Product Description:

Acrylic resin based two component varnish developed for two coat painting systems (basecoat + clearcoat). It has high strength and gives high gloss.

1.3- Details of the supplier of the safety data sheet:

Company ETALON is a brand of Alexport Com
Address Pontou 26, P.C. 546 28, Thessaloniki, Greece
info@alexport.gr, www.etalon.gr
Phone +30 2310 501814
Fax +30 2310 524 771

1.4- Emergency phone number 122 or call your doctor/local poison center

SECTION 2 • HAZARDS IDENTIFICATION

2.1- Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS].

Physical Hazards Flammable liquids, Category 3

Health Hazards Causes skin irritation, Category 2
Causes eye irritation, Category 2
Specific Target Organ toxicity - single exposure, Category 3

Environmental Hazards Hazardous to aquatic environment Long term/Chronic, Category 4

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

2.2- Label elements:

Hazard pictograms



GHS02



GHS07

Signal word : Warning

Hazard Statements

H226	Flammable liquid and vapour
H319	Causes serious eye irritation
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H413	May cause long lasting harmful effects to aquatic life
EUH066	Repeated exposure may cause skin dryness or cracking

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P241	Use explosion-proof electrical/ventilating equipment.
P243	Take precautionary measures against static discharge.
P264	Wash contacted areas thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection

Response precautionary statements

P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage precautionary statements

P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.



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05.12.2016

2

SECTION 3 • COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Concentration	CAS No	EC No	Classification 1272/2008 (CLP)
2- butoxyethanol	%4-10	111-76-2	203-905-0	Acute toxicity 4 H302, H312, H332, Skin irritation 2 H315, Eye irritation 2 H319,
Xylene	%20-30	1330-20-7	215-535-7	Flammable liquid 3 H226, Acute toxicity 4 H332, H312 Skin irritation H315
Butyl acetate	%6-20	123-86-4	204-658-1	Flammable liquid 3 H226, STOT single exposure H336
2-methoxy-1-methylacetate	%7-18	108-65-6	203-603-9	Flammable liquid 3 H226
bis(1,2,2,6,6-penta methyl-4-piperidyl) sebacate	%0,3-1	41556-26-7	255-437-1	Acute aquatic 1, H400; Chronic aquatic 1, H410, Skin Sens. 1 H317

SECTION 4 • FIRST AID MEASURES

4.1 Description of first aid measures

In case of eye contact

: Remove contact lenses, keep eyelids open for at least 10 minutes, flush with plenty of clean water and seek immediate medical attention.

If inhaled

: Move to fresh air. If person is not breathing, provide artificial respiration. If breathing is irregular or if respiratory arrest occurs, provide oxygen. Seek immediate medical attention.

In case of skin contact

: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvent or

thinners.

If swallowed : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatments : No specific treatment.

SECTION 5 • FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Recommended: alcohol-resistant foam, Powders, Carbon dioxide (CO₂)

Unsuitable extinguishing media : Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Special protective equipment for firefighters : Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. Suitable respiratory equipment, protective clothing, protective gloves may be required.

SECTION 6 • ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wear suitable protective equipment (personal protective equipment listed in section 8 of the safety data sheet). Keep away from sources of ignition. Ensure adequate ventilation. Beware of the spilled slippery product. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions

If any spillage occurs, clean it immediately using absorbent material. Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and materials for containment and cleaning up



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Revision No

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05.12.2016

2

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with a detergent. Avoid using solvents.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7 • HANDLING AND STORAGE

7.1 Handling

Precautions for safe handling

: Use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be electrically conductive. Exclude sources of heat, sparks and open flame. Use only non-sparking tools. Avoid contact with eyes and skin. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Smoking, eating and drinking should be prohibited in areas of storage and use.

7.2 Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Keep away from: oxidizing agents, strong alkalis, strong acids. Observe label precautions. Store in closed original container at temperatures between 5°C and 30°C. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Recommendations : Not available.

SECTION 8 • EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

Ingredient name	Type	Exposure limit values
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Xylene	OEL	221	50	442	100
2-methoxy-1-methylethyl acetate	EU ELV	275	50	550	100
2- butoxyethanol	OEL	100	20	25	50
Butyl acetate	TLV	713	150	950	200

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction.

If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn

Individual protection Measures

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn: Chemical splash goggles. Recommended: Use protective goggles with side shields. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.



Environmental exposure controls

: Do not allow to enter drains or watercourses.

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Form Number

ET960-*

Substance / Mixture Name

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Revision Date

Revision No

07.2012

05.12.2016

2

SECTION 9 • PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	: Liquid
Color	: Transparent
Odor	: Characteristic
Ph	: Not available
Melting point / range	: Not available
Flash point	: 27 °C
Flammability (solid, gas)	: Not available
Explosive properties	: Not available
Oxidizing properties	: Not available
Vapor pressure	: Not available
Relative density solubility	: 0,98 ± 0,2 g/ml
- in the water	: Insoluble
- in the oil (solvent oil indicated)	: Insoluble
Partition coefficient: n-octanol/water	: Not available.
Dynamic viscosity	: 150 – 250 cP
Vapor density	: Not available.
Evaporation rate	: Not available.
VOC	: 534,082 g/ml.

SECTION 10 • STABILITY AND REACTIVITY

10.1 Reactivity	: No specific test data related to reactivity available for this product.
10.2 Chemical stability	: Stable under recommended storage and handling conditions (see Section 7).
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids
10.6 Hazardous decompositions products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 • TOXICOLOGICAL INFORMATION

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

May cause an allergic skin reaction.

Inhalation of vapor may cause respiratory irritation.

Product may cause dizziness, drowsiness, loss of reflex.

Acute toxicity

Butyl acetate	LD50 (Oral)	10760 mg/kg Rat
	LD50 (Dermal)	>14112 mg/kg Rabbit
	LC50 (Inhalation)	23,4 mg/4h Rat
Xylene	LD50 (Oral)	3523 mg/kg Rat
	LD50 (Dermal)	4350 mg/kg Rabbit
	LC50 (Inhalation)	6350 ppm/4h Rat
2-methoxy-1-methylethyl acetate	LD50 (Oral)	>5000 mg/kg
	LD50 (Dermal)	>5000 mg/kg
	LC50 (Inhalation)	>6193 mg/l
2- butoxyethanol	LD50 (Oral)	1746 mg/kg Rat
	LD50 (Dermal)	>2000 mg/kg Rabbit
	LC50 (Inhalation)	2-20 ppm/4h Rat

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure
Butyl acetate	Category 3	Inhalation

SECTION 12 • EKOLOGICAL INFORMATION

12.1 Ecotoxicity

There are no data available on the mixture itself
Do not allow to enter drains or watercourses.

12.2 Persistence and degradability

Conclusion/Summary: Not available

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	Potential
Xylene	3.12	Low
Butyl acetate	2.3	Low
2-methoxy-1-methylethylacetate	1.2	Low

12.4 Mobility in soil



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ETACLEAR 960SR clearcoat 2:1

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Revision No

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05.12.2016

2

Soil/water partition coefficient (KOC) : Not available

Mobility : Not available

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.




SECTION 13 • DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Dispose of containers contaminated by the product in accordance with local or national legal provisions. Waste transportation may be subject to ADR restrictions.

SECTION 14 • TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA
UN No	1263	1263	1263
UN proper shipping name	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL

Transport hazard class(es)	3 Flammable liquids 	3 Flammable liquids 	3 Flammable liquids 
Packing group	III	III	III
Environmental hazards	Yes	Yes	Yes
Special precautions for user	<u>Special Provision</u> 163-640E <u>Limited Quantities</u> 5L <u>Excepted quantities Code</u> E1 <u>Tunnel Restriction Code</u> D/E	<u>EmS Fire Codes</u> F-E <u>EmS Spill Codes</u> S-E	

SECTION 15 • REGULATORY INFORMATION

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

Seveso Directive : This product has been controlled under the Seveso Directive.
Seveso Category : Category 6

This product has been controlled under the Directive 2009/161/EU - indicative occupational exposure limit values.

This product has been prepared under the Regulation (EC) No. 1907 / 2006

EU Regulation (EC) No. 1907/2006 (REACH) : None of the components are listed.

Annex XIV - List of substances subject to authorization
Annex XIV

Substances of very high concern : None of the components are listed.

Annex XVII – Restrictions on the manufacture placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Stockholm Convention on Persistent Organic Pollutants : Not listed

Rotterdam Convention on Prior Inform Consent (PIC) : Not listed

Montreal Protocol (Annexes A, B, C, E) : Not listed

15.2 Chemical safety assessment

For this substance a chemical safety assessment is not required.



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ET960-*

Substance / Mixture Name

ETACLEAR 960SR clearcoat 2:1

Printing Date

Revision Date

Revision No

07.2012

05.12.2016

2

SECTION 16 • OTHER INFORMATION

Revision No : 2

Key to abbreviations:

ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS NUMBER	: Chemical Abstracts Service
CLP	: Classification, labeling and packaging Regulation (CE) 1272/2008
EUH STATEMENT	: CLP-specific Hazard statement
LD50	: Lethal dose, 50 percent
LC50	: Lethal concentration, 50 percent
INDEX NUMBER	: Table 3.1 of Annex VI to the CLP Regulation.
ECHA	: European Chemicals Agency
vPvB	: Very persistent and very bioaccumulative
PBT	: Persistent, bioaccumulative and toxic
OEL	: Occupational exposure limit
REACH	: Regulation (EC) No 1907/2006
TWA STEL	: Short-term exposure limits
TWA	: Time – weighted average exposure limits
IATA DGR	: International Air Transport Association-Dangerous Goods Regulations
IMDG	: International Maritime Code for Dangerous Goods
ATE	: Acute Toxicity Estimate

Relevant phrases:

H226	Flammable liquid and vapour
H319	Causes serious eye irritation.
H315	Causes skin irritation
H336	Causes skin irritation.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of classifications [CLP/GHS]:

Flam. Liq. 3	H226	Flammable liquids – Category 3
Eye Irrit. 2	H319	Causes serious eye irritation – Category 2
Skin Irrit. 2	H315	Causes skin irritation - Category 2
STOT SE 3	H336	Specific target Organ Toxicity – Single Exposure – Category 3
Aquatic Chronic 4	H413	Aquatic chronic – Category 4

Further information:

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.