

# SAFETY DATA SHEET (SDS)

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MATERIAL NAME: FUSION I.A. SERIES PRO GRADE EXTERIOR UV MATTE VARNISH

Last Revision: 3/03/2020

## SECTION 1 - IDENTIFICATION

### Material Name

FUSION I.A. SERIES PRO GRADE  
EXTERIOR UV MATTE VARNISH

### Product Number

Various  
(All information the same for all sizes.)

### Manufacturer Information

Chroma Inc.  
205 Bucky Drive  
Lititz, Pennsylvania 17543  
U.S.A.  
Phone: 717-626-8866;  
1-800-257-8278 Fax: 717-626-9292  
Email: jhirneisen@chromaonline.com;  
infousa@chromaonline.com

For Transportation Emergencies Only: 1-800-257-8278

For Health Emergencies Call the Poison Control  
Center: 1-888-516-2502  
Seek medical assistance for further treatment,  
observation and support, if necessary.

## SECTION 2 – HAZARDS IDENTIFICATION

### · Classification of the substance or mixture

The product is not classified according to the Globally Harmonized System (GHS).

### · Label elements

- GHS label elements Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Classification system:
- NFPA ratings (scale 0 - 4)



Health = 1  
Fire = 0  
Reactivity = 0

### · HMIS-ratings (scale 0 - 4)

HEALTH	1
FIRE	0
PHYSICAL HAZARD	0

Health = 1  
Fire = 0  
Physical Hazard = 0

### · Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

- Chemical characterization: Mixtures
- Description: Acrylic Polymer Dispersion

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**· Dangerous components:**

7732-18-5 water, distilled, conductivity or of similar purity

50-100%

**SECTION 4 – FIRST AID MEASURES****· Description of first aid measures****· After inhalation:**

Supply fresh air or oxygen; call for doctor.

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

**· After skin contact: Immediately wash with water and soap and rinse thoroughly.****· After eye contact:**

Rinse opened eye for 15 minutes under running water. If eye becomes irritated, obtain medical treatment.

**· After swallowing:**

Rinse out mouth with water. Drink 1 - 2 glasses of water but do not induce vomiting. Do not give liquids to a drowsy, convulsing or unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Seek medical treatment.

**· Information for doctor:****· Most important symptoms and effects, both acute and delayed** No further relevant information available.**· Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5 – FIRE FIGHTING MEASURES****· Extinguishing media****· Suitable extinguishing agents:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

**· Special hazards arising from the substance or mixture** No further relevant information available.**· Advice for firefighters****· Protective equipment:** Protective clothing and respiratory protective device.**SECTION 6 – ACCIDENTAL RELEASE MEASURES****· Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

**· Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**· Methods and material for containment and cleaning up:**

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

Dispose of contaminated material as waste in accordance with federal state and local regulations.

Ensure adequate ventilation.

**· Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## SECTION 7 – HANDLING & STORAGE

- **Handling:**
- **Precautions for safe handling**  
*Avoid prolonged or repeated contact with skin.*  
*Avoid contact with eyes.*  
*Wash thoroughly after handling.*  
*Prevent formation of aerosols.*
- **Information about protection against explosions and fires:** *No special measures required.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Store above 40F.*
- **Information about storage in one common storage facility:** *Store away from oxidizing agents.*
- **Further information about storage conditions:**  
*Keep receptacle tightly sealed.*  
*Protect product from freezing.*
- **Specific end use(s)** *No further relevant information available.*

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Additional information about design of technical systems:** *No further data; see item 7.*
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
- **Additional information:** *The lists that were valid during the creation were used as basis.*
- **Exposure controls**
- **Personal protective equipment (see listings below)**
- **General protective and hygienic measures:**  
*The usual precautionary measures for handling chemicals should be followed.*
- **Breathing equipment:** *Not necessary if room is well-ventilated.*
- **Protection of hands:**



Protective gloves

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

- **Material of gloves**  
*Nitrile rubber, NBR*  
*Chloroprene rubber, CR*  
*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.*
- **Penetration time of glove material**  
*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:**



Tightly sealed goggles

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- Safety glasses with side shields.*  
 · **Body protection:** *Protective work clothing*

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

· <i>Information on basic physical and chemical properties</i>	
· <i>General Information</i>	
· <i>Appearance:</i>	
<i>Form:</i>	<i>Liquid</i>
<i>Color:</i>	<i>Milky White</i>
· <i>Odor:</i>	<i>Characteristic</i>
· <i>Odour threshold:</i>	<i>Not determined.</i>
· <i>pH-value at 20 °C (68 °F):</i>	<i>8.5</i>
· <i>Change in condition</i>	
<i>Melting point:</i>	<i>Undetermined.</i>
<i>Boiling point:</i>	<i>100 °C (212 °F)</i>
· <i>Flash point:</i>	<i>Not applicable.</i>
· <i>Flammability (solid, gaseous):</i>	<i>Not applicable.</i>
· <i>Ignition temperature:</i>	
<i>Decomposition temperature:</i>	<i>Not determined.</i>
· <i>Auto igniting:</i>	<i>Product is not selfigniting.</i>
· <i>Danger of explosion:</i>	<i>Product does not present an explosion hazard.</i>
· <i>Flammable limits:</i>	
<i>Lower:</i>	<i>Not determined.</i>
<i>Upper:</i>	<i>Not determined.</i>
· <i>Vapor pressure at 20 °C (68 °F):</i>	<i>23 hPa (17 mm Hg)</i>
· <i>Specific gravity at 20 °C (68 °F):</i>	<i>1.04 g/cm<sup>3</sup> (8.679 lbs/gal)</i>
· <i>Relative density</i>	<i>Not determined.</i>
· <i>Vapour density</i>	<i>Not determined.</i>
· <i>Evaporation rate</i>	<i>Not determined.</i>
· <i>Solubility in / Miscibility with</i>	
<i>Water:</i>	<i>Not miscible or difficult to mix.</i>
· <i>Partition coefficient (n-octanol/water):</i> <i>Not determined.</i>	
· <i>Viscosity:</i>	
<i>Dynamic:</i>	<i>Not determined.</i>
<i>Kinematic:</i>	<i>Not determined.</i>
· <i>Solvent content:</i>	
<i>Organic solvents:</i>	<i>0.0 %</i>
<i>Water:</i>	<i>55.0 %</i>
<i>Solids content:</i>	<i>45.0 %</i>
· <i>Other information</i>	<i>No further relevant information available.</i>

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**SECTION 10 – STABILITY AND REACTIVITY**

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Temperatures below 40F (4.4C)
- **Incompatible materials:** Reacts with oxidizing agents.
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

**SECTION 11 – TOXICOLOGICAL INFORMATION**

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** May irritate the skin.
- **on the eye:** May irritate the eye.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

80-62-6	methyl methacrylate	3
103-11-7	2-ethylhexyl acrylate	3
100-42-5	styrene	2B

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

**SECTION 12 – ECOLOGICAL INFORMATION**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** At present there are no ecotoxicological assessments.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

- *Waste treatment methods*
- *Recommendation: Must be specially treated adhering to official regulations.*
- *Uncleaned packagings:*
- *Recommendation: Disposal must be made according to official regulations.*

**SECTION 14 – TRANSPORTATION INFORMATION**

· <i>UN-Number</i> · <i>DOT, ADR, ADN, IMDG, IATA</i>	<i>Void</i>
· <i>UN proper shipping name</i> · <i>DOT, ADR, ADN, IMDG, IATA</i>	<i>Void</i>
· <i>Transport hazard class(es)</i> · <i>DOT, ADR, ADN, IMDG, IATA</i> · <i>Class</i>	<i>Void</i>
· <i>Packing group</i> · <i>DOT, ADR, IMDG, IATA</i>	<i>Void</i>
· <i>Environmental hazards:</i>	<i>Not applicable.</i>
· <i>Special precautions for user</i>	<i>Not applicable.</i>
· <i>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</i>	<i>Not applicable.</i>
· <i>UN "Model Regulation":</i>	-

**SECTION 15 – REGULATORY INFORMATION**

· <i>Safety, health and environmental regulations/legislation specific for the substance or mixture</i> · <i>Sara</i>
· <i>Section 355 (extremely hazardous substances):</i> <i>None of the ingredients is listed.</i>
· <i>Section 313 (Specific toxic chemical listings):</i>
80-62-6 methyl methacrylate
100-42-5 styrene
· <i>TSCA (Toxic Substances Control Act):</i> <i>All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.</i>
· <i>Proposition 65</i>
· <i>Chemicals known to cause cancer:</i> <i>None of the ingredients is listed.</i>
· <i>Chemicals known to cause reproductive toxicity:</i> <i>None of the ingredients is listed.</i>
· <i>(DSL) Canada Domestic Substance List</i> <i>All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.</i>

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· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

80-62-6	methyl methacrylate	NL
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· **TLV (Threshold Limit Value established by ACGIH)**

80-62-6	methyl methacrylate	A4
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100-42-5	styrene	A4
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· **MAK (German Maximum Workplace Concentration)**

100-42-5	styrene	5
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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **National regulations:**

· **Water hazard class:** Generally not hazardous for water.

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

## SECTION 16 – OTHER INFORMATION

· **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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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