

SAFETY DATA SHEET (SDS)

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

Last Revision: 3/03/2020

SECTION 1 - IDENTIFICATION

Material Name

FUSION I.A. SERIES PRO GRADE
EXTERIOR UV GLOSS 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:**CO₂, 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/cm³ (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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