



Quality You Can Trust

Safety Data Sheet Fuse Master Clear Coat

SDS conform REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II - EU

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Date issued 6.11.2017

1.1. Product identifier

Product name Fuse Master Water Clear Coat
Synonyms Organic Cellulose
CAS no. 9004932-4
Product Type Liquid Gel

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation Mixed with glass frit fired 1380F / 750C to bond particles.

1.3. Details of the supplier of the safety data sheet

Company name Fusion Headquarters
Address 15500 NE Kincaid Rd.
Postcode 97132
City Newberg
State OR.
Country USA
Tel 503-538-5281
Fax 503-538.6527
E-mail office@fusionheadquarters.com
Website <http://www.fusionheadquarters.com/>

1.4. Emergency telephone number

Emergency telephone Poison Control 1-800-222-1222

Recommended use: Industrial use.

Restrictions on use: Reserved for industrial and professional use.

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute aquatic toxicity (Category 3), H402

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Pictogram none

Signal word none

Hazard Statements

H402 Harmful to aquatic life

Precautionary statements

P273 Avoid release to the environment

P501 Dispose of in approved waste disposal plant

P337 + P313 Wash eyes with water. If irritation persists: Get medical advice/attention



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Precautionary statements

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Classification system:

NFPA ratings (scale 0 - 4)

Health = 0
Fire = 0
Reactivity = 0



HMS- ratings (scale 0 - 4)

Health = 0
Fire = 0
Reactivity = 0



Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substances

Mixture

Hazardous components

Ethyl Alcohol	CAS-No.:64-17-5	< 7%
Surfactant	CAS-NO 77-11-7	< 2%
Carboxymethyl cellulose sodium	CAS-NO 9004-32-4	< 3%
Proprietary		< 1%

SECTION 4: First-aid measures

4.1 Description of first aid measures

After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Rinse with warm water.
After eye contact:	Rinse opened eye for several minutes under running water.
After swallowing:	If symptoms persist consult doctor.
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

5.1 Extinguishing media

Suitable extinguishing agents:	CO2, extinguishing powder or water spray. Fight larger fires with water spray.
For safety reasons unsuitable Extinguishing agents:	Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

Protective equipment: No special measures required.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.



SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Not required.
Environmental precautions:	Do not empty into drains.
Methods and material for containment and cleaning up:	Pick up mechanically.
Reference to other sections	
Do not handle until all safety precautions have been read and understood.	
Wear suitable protective clothing and gloves.	
Dispose of contents/container in accordance with local/regional/national/international regulations.	
Protective Action Criteria for Chemicals	

SECTION 7: Handling and storage

7.1 Handling:

Precautions for safe handling	Take note of emission threshold. Prevent formation of dust. Use only in well-ventilated areas. Handle and open container with care. The product is not flammable.
Information about protection against explosions and fires:	
Conditions for safe storage, including any incompatibilities	
Storage:	
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Store away from foodstuffs.
Further information about storage conditions:	None.
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.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

Components with workplace control parameters Contains no substances with occupational exposure limit values

8.2 Exposure controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of Workday.

Personal protective equipment - Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact Material : Nitrile rubber Minimum layer thickness: 0.1 1 mm

Break through time : 480 min Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Additional information:	The lists that were valid during the creation were used as basis.
Personal protective equipment:	
General protective and hygienic measures:	Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Do not inhale dust / smoke / mist. Do not eat, drink, smoke or sniff while working.
Breathing equipment:	Not required.
Protection of hands:	The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Protection of hands:	Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves:	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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Eye protection:	Goggles recommended during refilling.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	clear
Odor:	Odorless
Odor threshold:	Not determined.

pH-value at 20 °C (68 °F): 7

9.2 Change in condition

Melting point/Melting range:	
Boiling point/Boiling range:	
Undetermined:	Undetermined.
Flash point:	Not determined.
Ignition temperature:	
Decomposition temperature:	Not determined.
Auto igniting:	Product is not self igniting.
Danger of explosion:	Product does not present an explosion hazard.

9.3 Explosion limits

Lower:	Not applicable.
Upper:	Not applicable.
Vapor pressure:	Not applicable.
Density at 20 °C (68 °F):	Heavier than air
Relative density	
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with Water:	Insoluble.
Partition coefficient (n-octanol/water):	Not determined.

9.4 Viscosity

Dynamic:	Not applicable.
Kinematic:	Not applicable.

9.5 Solvent content:

Organic solvents:	6.0 %
Solids content:	3.7 %
Other information	No further relevant information available.



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SECTION 10: Stability and reactivity

Reactivity	No further relevant information available.
Chemical stability	
Thermal decomposition / conditions to be avoided:	To avoid thermal decomposition do not overheat. No decomposition if used and stored according to specifications. Stable up to melting point.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	No further relevant information available.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	
Primary irritant effect:	
on the skin:	No irritant effect.
on the eye:	Eye irritant.
Sensitization:	No sensitizing effects known.
Additional toxicological information:	The product shows the following dangers according to internally approved calculation methods for preparations:

IARC (International Agency for Research on Cancer)

Carboxymethyl cellulose sodium	
Acute toxicity	LD50 Oral-Rat -27,000 mg/kg
Inhalation No data available	LD50 Dermal-Rabbit -> 2,000 mg/kg
Ethyl Alcohol	
Acute toxicity	LD50 Oral-Rat -5,660 mg/kg
Inhalation No data available	LD50 Dermal-Rabbit -> 2,764 mg/kg
Surfactant	
Acute toxicity	LD50 Oral-Rat -3000 mg/kg
Inhalation No data available	LD50 Dermal-Rabbit -> 10,000 mg/kg

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:	Very toxic to aquatic life. LC50 - Oncorhynchus mykiss (rainbow trout) - 100 - 1,000 mg/l-96 h
Persistence and degradability:	No further relevant information available.
Behavior in environmental systems:	
Bioaccumulative potential:	Harmful
Mobility in soil:	Harmful
Ecotoxicological effects:	
Behavior in sewage processing plants:	The product can be mechanically separated.

12.2 Additional ecological information

General notes:	The product contains materials that are harmful to the environment. Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.
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12.3 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

13.1 Waste treatment methods

Recommendation:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system. After prior treatment product has to be landfilled adhering to the regulations pertaining to the disposal of particularly hazardous waste.
Waste disposal key:	55515 (Pigments) Uncleaned packaging:
Recommendation:	Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

DOT, ADR, ADN, IMDG, IATA UN proper shipping name	Void
DOT, ADR, ADN, IMDG, IATA Transport hazard class(es)	Void
DOT, ADR, ADN, IMDG, IATA Class	Void

14.2 Packing group

DOT, ADR, IMDG, IATA	Void
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Section 355 (extremely hazardous substances):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):	TSCA 5a - Not relevant TSCA_12b - Not relevant
Proposition 65:	None of the ingredients is listed.
Chemicals known to cause cancer:	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males:	None of the ingredients is listed.
Chemicals known to cause developmental toxicity:	None of the ingredients is listed.
EPA (Environmental Protection Agency):	None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH)	None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety and Health)	None of the ingredients is listed.

The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms



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Signal word Warning

Hazard-determining components of labeling: Acute Health Hazard

Hazard statements: suspected of causing cancer.

Precautionary statements: Wear protective gloves/protective clothing/eye protection/face protection.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
IF exposed or concerned: Get medical advice/attention.

Store: locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: FHQ nvironment protection department.

Contact: Gil Reynolds

Date of preparation / last revision 06/11/2017

16.1 Abbreviations and acronyms:

ADR: 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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit Carc. 2: Carcinogenicity – Category 2