1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name	:	**930.0120-1A** COLORLINE PAINT BROWN BTL62GR
Description	:	Brown Colorline Paint Sold in 62g Plastic Bottles with Screw Cap

1.2 Relevant identified uses of the mixture and uses advised against

Application on glass and ceramic objects suited for firing.

1.3 Details of the supplier of the safety data sheet

Company	:	Creative Glass MHS AG Geerenstrasse 13 - Kindhausen 8604 Volketswil / Switzerland
Telephone	:	+41 (0)44 908 11 55
Fax	:	+41 (0)44 946 12 31
Email	:	info@creative-glass.com
Contact	:	Mr. Harry Sowersby

1.4 Emergency Telephone Number

Mon - Fri / 9:00 - 18:00	:	+41 (0)44 908 11 55
Non Business Hours	:	+43 (0)664 442 622 0

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Information concerning particular hazards for human and environment
The product has to be labelled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.

Classification system
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Hazard pictograms	:	Void
Signal word	:	Void
Hazard statements	:	Void
Precautionary statements	:	Void
Additional information	:	Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT	:	Not applicable
vPvB	:	Not applicable.

3. Composition/information on ingredients

3.1 Substance

Not applicable

3.2 Mixtures

Description:
Lead Free Frit: B-Al-Zn-Li-Si (CAS-No:65997-18-4)
Pigment of the system Cr-Zn-Fe (Spinell) (CAS-No:68186-88-9)
Binding Agent

Dangerous components:

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
WEL Substance:				
(2-methoxymethylethoxy) propanol	34590-94-8 252-104-2 -			3.5 - 7.5

4. First aid measures

4.1 Description of first aid measures

General advice : Do not leave the victim unattended.

If inhaled : Supply fresh air, consult doctor according to symptoms.

In case of skin contact : Rinse with warm water and soap.

In case of eye contact : Remove Contact Lens.
Rinse thoroughly for several minutes under running water.
Keep eye wide open while rinsing.
If eye irritation persists, consult doctor according to symptoms.

If swallowed : Rinse mouth thoroughly with water.
If symptoms persists, consult doctor according to symptoms.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	Formation of toxic gases is possible during heating or in case of fire. Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
Further Information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required

6.2 Environmental precautions

Environmental precautions	:	Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities. No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

6.4 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 information on disposal.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	No special handling advice required. Do not eat drink or smoke while using the product. Open and handle container with care.
Advice on protection against fire and explosion	:	The product is not flammable

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Keep container tightly closed in a cool dry place
Advice on common storage	:	No special requirements
Further information about storage conditions	:	None

7.3 Specific end use(s)

No further relevant information available.

8. Exposure controls/personal protection

8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

General protective and hygienic measures	:	Wash hands during breaks and at the end of the work. Do not eat, drink or smoke while working.
Respiratory protection	:	No personal respiratory protective equipment normally required.
Hand protection	:	For prolonged or repeated contact use protective gloves.
Eye protection	:	Wear safety glasses when needed
Environmental exposure controls	:	Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities. No special environmental precautions required.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	:	Liquid
Colour	:	According to product specification - See 1.1
Odour	:	Characteristic
Odour Threshold	:	Not determined
pH	:	Not determined
Melting point/range	:	Not determined
Boiling point/boiling range	:	Not determined
Flash point	:	Not applicable
Evaporation rate	:	Not determined
Flammability (solid, gas)	:	Product is not flammable
Burning rate	:	Not applicable
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Vapour pressure	:	Not determined
Relative density	:	Not determined
Density	:	1.62 g/cm3, 20 °C
Water solubility	:	Soluble
Solubility in other solvents	:	Not determined
Partition coefficient: n-octanol/water	:	Not determined
Autoignition temperature	:	Not applicable
Thermal decomposition	:	Not determined
Viscosity, dynamic	:	Not determined
Explosive properties	:	Product is not explosive

9.2 Other information

Bulk density	:	Not determined

10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions. No decomposition if stored and applied as directed.

10.2 Chemical stability

To avoid thermal decomposition do not overheat. No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

No hazards to be specially mentioned.

10.4 Conditions to avoid

No further relevant information available.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known

11. Toxicological information

11.1 Information on toxicological effects

Product

Acute oral toxicity	:	Not determined
Acute inhalation toxicity	:	Not determined
Acute dermal toxicity	:	Not determined
Skin corrosion/irritation	:	No irritant effect
Serious eye damage/eye irritation	:	No irritant effect
Respiratory or skin sensitization	:	No sensitizing effect known.
Further information	:	Not determined

12. Ecological information

12.1 Toxicity

Product

Acute aquatic toxicity	:	No further relevant information available.
Chronic aquatic toxicity	:	No further relevant information available.

Components
(2-methoxymethylethoxy)propanol

Toxicity to fish	:	LC50: 10,000 mg/l, 96 h, Fish
Toxicity to daphnia and other aquatic invertebrates	:	LC50: 1,919 mg/l, 48 h, Daphnia

12.2 Persistence and degradability

Product

Biodegradability	:	No further relevant information available.

Components
(2-methoxymethylethoxy)propanol

Biodegradability	:	No further relevant information available.

12.3 Bioaccumulative potential

Product

Bioaccumulation	:	No further relevant information available.

Components
(2-methoxymethylethoxy)propanol

Bioaccumulation	:	No further relevant information available.

12.4 Mobility in soil

Product

Distribution among environmental compartments	:	No further relevant information available.

Components
(2-methoxymethylethoxy)propanol

Distribution among environmental compartments	:	Danger to drinking water if even small quantities leak into soil. Do not allow product to reach ground water, water bodies or sewage system.

12.5 Results of PBT and vPvB assessment

Product

Assessment	:	Not applicable

12.6 Other adverse effects

Product

Additional ecological information	:	No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

Product

Recommendation	:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
European waste catalogue	:	08 02 99 wastes not otherwise specified

Contaminated packaging

Recommendation	:	Disposal must be made according to official regulations. Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

14.1 UN number

ADR, ADN, IMDG, IATA : Not dangerous goods

14.2 Proper shipping name

ADR, ADN, IMDG, IATA : Not dangerous goods

14.3 Transport hazard class

ADR, ADN, IMDG, IATA : Not dangerous goods

14.4 Packing group

ADR, IMDG, IATA : Not dangerous goods

14.5 Environmental hazards

ADR, ADN, IMDG, IATA : Not dangerous goods

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Ship type	:	Not applicable
Pollution category	:	Not applicable

15. Regulatory information

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

EU SVHC - Candidate List of Substances of Very High Concern for Authorisation	:	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
Major Accident Hazard Legislation	:	96/82/EC Update: 2003 Directive 96/82/EC does not apply

Notification status

REACH	:	This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).
CH INV	:	The formulation contains substances listed on the Swiss Inventory
US.TSCA	:	On TSCA Inventory
DSL	:	All components of this product are on the Canadian DSL list.
AICS	:	On the inventory, or in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

16. Other information

Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. 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 information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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
IATA: International Air Transport Association