

SAFETY DATA SHEET

SUMBL001

Issue date 31st May, 2022 – Revision 4

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

1.1 Product identifier

Product Name	SUMBL001
Trade Name	SUMBL001
Product code	SUMBL001
CAS No.	Proprietary
EC No.	Proprietary
REACH Registration No.	Not applicable

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

Identified Use(s)	Metal Detectable Masterbatch
Uses Advised Against	Do not use for private purposes (household).

1.3 Details of the supplier of the safety data sheet

Supplier	Radical Materials Ltd.
Address of Supplier	Unit 10 Rassau Industrial Estate, Ebbw Vale, Gwent NP23 5SD United Kingdom
Telephone:	+44 (0) 1495 211 400
E-mail	info@radicalmaterials.com

1.4 Emergency telephone number

Emergency Phone No.	England, Wales, Scotland: Dial 111 Northern Ireland: Contact local GP or Pharmacist Republic of Ireland: 01 809 2166
Contact	National Poisons Information Services: http://www.npis.org/

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Not classified as hazardous for supply/use

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name	SUMBL001
Hazard Pictogram(s)	Not applicable
Signal Word(s)	None
Hazard Statement(s)	None
Precautionary Statement(s)	None

2.3 Other hazards

Not known

2.4 Additional Information

For full text of H/P Statements see section 16

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	%W/W	Classification according to Regulation (EC) No. 1272/2008	Hazard/Precautionary Statement(s)	Hazard Pictogram(s)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	If breathing is difficult from fumes, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical treatment when anyone has symptoms apparently due to inhalation.
Skin Contact	Wash skin with soap and water. Do not use organic solvents. Seek medical attention if irritation persists. After contact with molten product, cool rapidly with

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cold water. Do not pull solidified product away from the skin. Seek immediate medical advice.

Eye Contact

Remove any contact lenses. Flush eyes with water for at least 15 minutes. Irrigate eyes thoroughly whilst lifting eyelids. Seek medical advice.

Ingestion

Wash out mouth with water. Give plenty of water to drink. If vomiting occurs turn patient on side. Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media

Extinguish preferably with dry chemical, sand, or dry powder. Water spray should be used to cool containers.

Unsuitable extinguishing media

Do not use water jet, carbon dioxide or foam.

5.2 Special hazards arising from the substance or mixture

Heating may cause decomposition. Combustion products: Carbon oxides may be formed. Toxic gas may be formed.

5.3 Advice for fire-fighters

Avoid run off to waterways and sewers. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe dust. Provide adequate ventilation.
Keep away from sources of ignition. Avoid contact with skin, eyes or clothing.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
Prevent entry into drains.

6.3 Methods and material for containment and cleaning up

Sweep up spilled substance and remove to safe place.
Use vacuum equipment for collecting spilt materials, where practicable. Collect as much as possible in clean container for reuse or disposal. Dispose of this material and its container to hazardous or special waste collection point. Avoid raising dust.

6.4 Reference to other sections

See Also Section 8, 13

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle and open container with care. Avoid raising dust. Do not breathe dust. Avoid contact with heat and ignition sources.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature	Room temperature 5-20°C
Storage life	Stable under normal conditions. Keep away from direct sunlight. Store in a dry place. Store in a closed container.
Incompatible materials	None known

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7.3 Specific end use(s)

Additive masterbatch

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

No information available on masterbatch

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation

Personal protection equipment

Wear gloves, eye protection and an approved dust mask if dust is generated during handling



Eye Protection

Wear eye protection with side protection (EN166)



Skin protection

Not normally required



Respiratory protection

Normally no personal respiratory protection is necessary

Thermal hazards

None known

Environmental Exposure Controls

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Solid, pellets

Colour: Blue

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Odour	Nearly odourless
Odour threshold	Not known
pH	Not known
Melting point/freezing point	Melting range – softening above 100°C
Initial boiling point and boiling range	Not known
Flash Point	Not applicable
Evaporation rate	Not known
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	Not explosive
Vapour pressure	Not known
Vapour density	Not known
Density (g/ml)	Not known
Relative density	No data available
Solubility(ies)	Solubility (Water) : Insoluble in water Solubility (Other) : No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	Not known
Decomposition Temperature (°C)	No data available
Viscosity	Not known
Explosive properties	Not explosive
Oxidising properties	No data available

9.2 Other information

Not applicable

10. SECTION 10: STABILITY AND REACTIVITY

Reactivity	None anticipated
Chemical Stability	Stable under normal conditions
Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose
Conditions to avoid	Electrostatic charge
Incompatible materials	Avoid contact with acids and alkalis. Avoid contact with oxidising substances.

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Hazardous decomposition product(s) Carbon oxides may be formed. Toxic gas may be formed. Decomposes above 360°C

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	No information on masterbatch
Acute toxicity - Skin Contact	No information on masterbatch
Acute toxicity - Inhalation	No information on masterbatch
Skin corrosion/irritation	No information on masterbatch
Serious eye damage/irritation	No information on masterbatch
Skin sensitization data	No information on masterbatch
Respiratory sensitization data	No information on masterbatch
Germ cell mutagenicity	No information on masterbatch
Carcinogenicity	No information on masterbatch
Reproductive toxicity	No information on masterbatch
Lactation	No information on masterbatch
STOT - single exposure	No information on masterbatch
STOT - repeated exposure	No information on masterbatch
Aspiration hazard	No information on masterbatch

11.2 Other information

Not known

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	No information on masterbatch
Toxicity - Fish	No information on masterbatch
Toxicity - Algae	No information on masterbatch
Toxicity - Sediment Compartment	No information on masterbatch
Toxicity - Terrestrial Compartment	No information on masterbatch

12.2. Persistence and Degradation

No information on masterbatch

12.3. Bioaccumulative potential

No information on masterbatch

12.4. Mobility in soil

No information on masterbatch

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12.5. Results of PBT and vPvB assessment No information on masterbatch
12.6 Other adverse effects No information on masterbatch

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport

SECTION 15: REGULATORY INFORMATION

15.1 European Regulations

Authorisations and/or Restrictions on Use

Candidate List of Substances of Very High Concern for Authorisation All chemicals are not listed

REACH: ANNEX XIV list of substances subject to authorisation All chemicals are not listed

REACH: ANNEX XVII restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles All chemicals are not listed

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SECTION 16: OTHER INFORMATION

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