Type 1: E-1, E-2, E-5, E-30, E-40 (Ethylcellulose based plastic)
Evans Coatings, LLC
Safety Data Sheet

Revision date: 6 June 2024
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1. Product and Company Identification

1.1 Product identifiers

Product Name	Type 1: E-1, E-2, E-5, E-30, E-40 (Ethylcellulose based plastic)
Producer	Evans Coatings, LLC
Product Number	No data available
CAS-No.	Mixture

1.2 Identified uses of the product and uses advised against

Identified Uses	Coating of small parts

1.3 Details of the chemical supplier

Company	Evans Coatings, LLC
Address	1330 Souter Drive Troy, MI 48083 USA
Telephone:	+1 (248) 583-9890

1.4 Emergency phone number

Emergency phone number	+1 (248) 583-9890

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Class	Not a hazardous substance or mixture

Classification according to Regulation (EC) No 1272/2008
Based on present data no classification and labeling is required according to Directive 1272/2008/EC and its amendments (CLP Regulation, GHS).

Classification according to Directive 67/548/EEC or Directive 1999/45/EC
According to present data no classification and labeling is required according to Directives 67/548/EEC or 1999/45/EC.

2.2 GHS Label elements, including precautionary statements

GHS Pictograms	Not hazardous
Signal word	Not hazardous
Hazard statements	Not hazardous
Precautionary statements	Not hazardous

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - None

3. Composition/Information on Ingredients

3.1 Product mixture

Synonyms	Hot melt strippable coating
Formula	No data available; mixture
Molecular wt	Mixture
CAS-No.	Mixture
EC-No.	Mixture

Chemical Name	CAS-No.	EC-No.	Ingredient Percent

Ethyl cellulose	9004-57-3	618-384-9	Proprietary
Mineral Oil	64742-52-5	265-155-0	Proprietary
Castor Oil	8001-79-4	232-293-8	Proprietary
Soya Oil	8013-07-8	232-391-0	Proprietary
Refined Wax	64742-43-4	265-145-6	Proprietary

Remarks: There are no additional hazardous ingredients greater than or equal to 1.0 wt% concentration or carcinogenic ingredients greater than or equal to 0.1 wt% concentration.

4. First Aid Measures

4.1 Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Skin contact: Non-molten state: Wash off with soap and water. Consult a physician if symptoms occur.
Molten State: Treat as an oil burn. Consult a physician

Eye contact: If exposed to fumes or smoke when in molten state, flush eyes thoroughly with plenty of water for at least 15 minutes and consult a physician if symptoms occur.

Inhalation: Respiratory irritation not expected unless product is heated to a point of fuming. In case of difficult breathing, move person to fresh air. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects: The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Other first aid: No data available

5. Fire Fighting Measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use water fog, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Special hazards: Excessive thermal decomposition at very high temperatures can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions: For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions: In case of large molten spills, dike spill to prevent runoff into sewers and drains. Allow material to solidify and cool. Recover as much of the material as possible.

6.3 Methods and materials for containment and cleaning up

Methods for cleanup: With molten spills allow material to solidify and cool. Recover material. Keep in suitable, closed containers for disposal.

6.4 References to other sections

Other references: For disposal see section 13.

7. Handling and Storage

7.1 General hygiene considerations

General hygiene	This product can cause burns when in molten state. Avoid contact with skin and eyes when molten and generating fumes. In case of large quantities of vapor or mist, use local exhaust or general dilution ventilation to control exposure within applicable limits. For precautions see section 2.2.

7.2 Precautions for safe handling

Safe handling precautions	Keep container tightly closed in a dry and well-ventilated place.

7.3 Conditions for safe storage, including any incompatibilities

Other storage conditions	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1 Control and exposure limits recommended by the chemical manufacturer

OSHA Standards	No data available
Threshold Limit Values	No data available
NIOSH Recommendations	No data available

8.2 Appropriate engineering controls

Engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use adequate ventilation where dust forms to keep concentration under exposure control limits.

8.3 Individual protection measures, such as personal protective equipment

Respiratory protection	None required for non-molten form. For molten form: where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye/face protection	None required for non-molten form. For molten form: safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Hand protection	None required for non-molten form. For molten form: handle with thermal gloves. Gloves must be inspected prior to use. Use proper glove removal technique 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.
Body protection	None required for non-molten form. For manufacturing quantities: wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a)	Appearance	White solid
b)	Odor	Waxy
c)	Odor threshold	No data available
d)	pH	No data available
e)	Melting/freezing point	No data available
f)	Boiling point	>700°F
g)	Flash point	>395°F
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	Upper (UEL): No data available Lower (LEL): No data available
k)	Vapor pressure	< 0.21 mmHg
l)	Vapor density	No data available
m)	Relative density	1.032
n)	Water solubility	Not soluble
o)	Partition coefficient octanol/water	No data available
p)	Auto-ignition temp	No data available
q)	Decomposition temp	No data available
r)	Viscosity	No data available

10. Stability and Reactivity

10.1 Reactivity

Reactivity	No hazard expected.

10.2 Chemical stability

Chemical stability	Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions

Hazardous reactions	Will not polymerize

10.4 Conditions to avoid

Conditions to avoid	Avoid contact with incompatible materials

10.5 Incompatible materials

Incompatible materials	Strong acids and alkalis.

10.6 Hazardous decomposition products

Hazardous products	Oxides of carbon and Nitrogen. In the event of fire, see section 5.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity	**Ethylcellulose:** LD50 Oral > 5,000 mg/kg **Mineral Oil:** LD50 Oral > 2,000 mg/kg **Castor Oil:** LD50 Oral > 5,000 mg/kg
Acute dermal toxicity	**Ethylcellulose:** LD50 Oral > 5,000 mg/kg **Mineral Oil:** LD50 Oral > 2,000 mg/kg **Castor Oil:** LD50 Oral > 5,000 mg/kg
Acute inhalation toxicity	No data available

Skin corrosion/irritation

Skin corrosion irritation	No data available

Serious eye damage/eye irritation

Eye damage/eye irritation	No data available

Respiratory or skin sensitization

Respiratory sensitizer	No data available
Skin sensitizer	No data available

Germ cell mutagenicity

Mutagenicity	No data available

Suspected cancer agent

ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Reproductive toxicity

Reproductive toxicity	This product is not reported to produce mutagenic, embryotoxic, teratogenic, or reproductive effects in humans.

Aspiration hazard

Aspiration hazard	No data available

12. Ecological Information

12.1 Ecotoxicity (aquatic and terrestrial)

Ecotoxicity	No data available

12.2 Persistence and degradability

Degradability	Biodegradable

12.3 Bioaccumulation potential

Bioaccumulation	No data available

12.4 Mobility in soil

Mobility in soil	Product is solid at temperatures below 100°F

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment	Not available as chemical safety assessment not required/not conducted.

13. Disposal Considerations

13.1 Waste treatment methods

Waste treatment disposal	Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

14. Transport Information

DOT
Not dangerous goods.

TDG
Not dangerous goods.

IMDG
Not dangerous goods.

IATA
Not dangerous goods.

15. Regulatory Information

15.1 Safety, health, and environmental regulations specific to the product or mixture

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
TSCA	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Canada DSL	No components of this product are on the Canada Domestic Substance List.
CA Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
State Regulatory Lists:	Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list or all state regulations. Therefore, the user should review the components listed in Section 2 and consult state or local authorities for specific regulations that apply

16. Other Information

HMIS Rating	Health hazard: 1 Flammability: 1 Physical Hazard 0
NFPA Rating	Health hazard: 1 Fire Hazard: 1 Reactivity Hazard: 1
Revision Date	6 June 2024

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Evans Coatings, LLC. assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Evans Coatings, LLC. assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Abbreviations and acronyms

IMDG - International Maritime Code for Dangerous Goods
TDG - Transportation of Dangerous Goods
IATA - International Air Transport Association
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
PBT - Persistent, bioaccumulative and toxic assessment
vPvB - Very persistent and very bioaccumulative assessment
ACGIH - American Conference of Governmental Industrial Hygienists
NIOSH - National Institute for Occupational Safety and Health
TLV - Threshold Limit Values
CAS - Chemical Abstracts Service (division of the American Chemical Society)
NFPA - National Fire Protection Association
HMIS - Hazardous Materials Identification System
CFR - Code of Federal Regulations
SARA - Superfund Amendments and Reauthorization Act
DOT - US Department of Transportation
EC50 - Half maximal effective concentration
LD50 - Median lethal dose
LC50 - Median lethal concentration
SDS - Safety Data Sheet