

Putty flex carbon

1 Identification of chemical product and information on the manufacturer and/or supplier

Product Name:	Putty flex carbon
Manufacturer / supplier:	ECOPOL LLC. 35, Suvorova str., Dzerzhinsk, Nizhny Novgorod region, 606010, Russia Telephone: (8313) 230351; 230839; 230781; 230746 Tel./fax: (8313) 254103; 274016

1.2 Emergency phone:

In an emergency, contact the National Center for Emergency Care.

2 Hazard (hazards) identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

H226: Flammable liquid. Vapours form explosive mixtures with air.	Highly flammable liquid. Hazard category 3.
H315: Irritant to skin.	Skin corrosion/irritation. Hazard category 2.
H361d: Potentially harmful to fecundity or unborn children.	Reproductive toxicity. Hazard Class 2.
H372: Harmful to organs (hearing organs). Reasons for damage to organs through prolonged or repeated exposure.	Specific target organ toxicity. Hazard category 1. (Inhalation).
H319: Discernible irritant to eyes.	Serious eye damage / eye irritation. Hazard category 2.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

This product is classified and labelled according to the Regulation on the classification, labelling and packaging of substances and mixtures (CLP).

Hazard pictograms



GHS02

GHS07

GHS08

Signal word Danger

Hazard-determining components of labelling:

Styrene

Hazard statements

H226:	Flammable liquid. Vapours form explosive mixtures with air.
H315:	Causes skin irritation.
H319:	Discernible irritant to eyes.
H361d:	Potentially harmful to fecundity or unborn children.
H372:	Causes damage to organs (hearing organs). Reasons for damage to organs through prolonged or repeated exposure.

Precautionary statements

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking;
- P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves/protective clothing/eye protection/face protection (type to be indicated by manufacturer/supplier)
- P312: Get medical advice if you feel unwell.
- P273: Avoid release to the environment.
- P102: Store out of children's reach.

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2.3 Other hazards





No information available.

3 Composition (information on ingredients)

3.2 Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additives.

Contained hazardous substances:

Chemical name	H-statements	Pictograms, signal word (codes)
Ethenyl benzene (styrene)	Flam. Liq. 3	H226  GHS02
Concentration, % (by weight) 7-20	Skin Irrit. 2	H315  GHS07
CAS No. 100-42-5	Eye Irrit. 2	H319  GHS08
EINECS No. 202-851-5	Acute Tox. 4 *	H332  Dgr
Index Number 601-026-00-0	Repr. 2	H361d
REACH № 01-2119457861-32-XXXX	STOT RE 1 (hearing organs)	H372

4 First aid measures

4.1 Description of first aid measures

General advice:

Immediately remove any clothing contaminated by this product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the emergency (accident).

After inhalation:

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Seek medical help.

After eye contact:

Rinse opened eye for several minutes under running water; then consult doctor.

Remove contact lenses if any, continue rinsing.

After swallowing:

Rinse mouth and drink plenty of water. DO NOT induce vomiting. Get medical attention.

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

Symptomatic treatment

5 Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray jet.

Fight larger fires with water spray jet or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:

Full water jet

5.2 Special hazards arising from the substance or mixture

The following substances can be released in case of fire:

Carbon monoxide (CO) and carbon dioxide (CO₂)

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information

Cool endangered containers with water spray jet.

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

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Keep unprotected people away.

Provide for sufficient ventilation.

Keep away from ignition sources.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes and skin.

6.2 Environmental precautions:

Do not allow to enter sewers / surface or ground water / holes and cellars.

Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and materials for containment and cleaning up:

Provide for sufficient ventilation.

Absorb with liquid-binding wet material (sand, diatomite, chemical binder based on calcium silicate, universal binders, sawdust).

Send for recovery or disposal in suitable containers.

Dispose contaminated material as waste according to guidelines.

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 disposal information.

7 Handling and storage of chemicals

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level (fumes are heavier than air).

Limit the amount of stocks at the workplace.

Use only in well ventilated areas.

Avoid contact with eyes and skin.

Do not breathe smoke / spray.

Ensure the check of the total used area of the production premise.

Information about fire and explosion protection:

Fumes can combine with air to form an explosive mixture.

Flammable gas and air mixtures may be formed in empty containers.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Take precautionary measures against static discharge.

Apply explosion-proof instruments / valves and sparkless tools.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Storage requirements to be met by storerooms and containers:

Store in a cool location.

Observe the rules for storage of flammable liquids.

Observe water protection rules.

Information about storage in one common storage facility:

Observe the rules for storage of flammable liquids.

Further information about storage conditions:

Store receptacle in a well ventilated area.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

8 Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Cas No. 1330-20-7 xylene (isomer mixture) 30/10

OEL (RF) short-term maximum: 30 mg/m³

shift-average: 10 mg/m³

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DNEL values

Cas No. 100-42-5: Styrene

Area of application: workers (Inhalation)

Potential effects on health: Long-term exposure, systemic effects: 85 mg/m³

Area of application: workers (Inhalation)

Potential effects on health: Short-term exposure - systemic effects: 289 mg/m³

Potential effects on health: Short-term exposure - local effects: 306 mg/m³

Area of application: workers (Dermatitis)

Potential effects on health: Long-term exposure, systemic effects: 406 mg/kg body weight/day

Area of application: workers (Dermatitis)

Potential effects on health: Short-term exposure - system and local effects: no information available

PNEC values

Cas No. 100-42-5: Styrene

freshwater: 0.028 mg / l

marine water: 0.014 mg / l

Soil: 0.2 mg / kg of soil dry weight

Additional information:

The lists valid during manufacture were used as basis.

8.2 Exposure controls / personal protection

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Immediately remove all soiled and contaminated clothing.

Do not inhale gases/fumes/sprays.

Avoid contact with eyes and with skin.

Wash hands before breaks and at the end of work.

Do not put the product-soaked rags in trouser pockets.

Respiratory protection:

If workplaces are well-ventilated precautions are not required.

Hand protection: Rubber gloves.

Eye protection: Tightly sealed safety glasses

Body protection: Protective work clothing

Body protection must be chosen depending on the type of activity and possible exposure.

Environmental exposure controls

Do not allow to enter sewers / surface or ground water.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information

Appearance	Liquid
Colour	Required
Odour	Of organic solvents
pH	Not specified
Boiling point	Not specified
Flash point (Closed cup)	Plus 30°C (Ethenyl benzene)
Self-ignition temperature	Plus 530°C (Ethenyl benzene)
Density, g/cm ³	1.8
Viscosity (relative, sec)	Not specified
Lower explosion limit, % by volume	1.1 (Ethenyl benzene)
Upper explosion limit, % by volume	5.2 (Ethenyl benzene)
Vapour density (Pa/at 20°C)	Not specified
Solids content, % by weight	Not specified
Solubility in water	Insoluble

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9.2 Other information No further relevant information available.

10 Stability and reactivity

10.1 Chemical stability

Stable under recommended storage and handling conditions.

10.2 Chemical reactivity

None under recommended storage and handling conditions.

10.3 Conditions to avoid

Direct sunlight, high temperatures, open flames, sparks.

Contact with strong oxidizing agents, peroxides, strong acids and bases.

10.4 Hazardous decomposition products

Thermal decomposition can release carbon monoxide and other toxic gases.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 (lethal dose/concentration) values relevant for classification:

Cas No. 1330-20-7 xylene (isomer mixture)

Orally (by mouth) LD50 >6000 mg/kg (Syrian hamster)

Lethality: 6000 mg/kg live weight 3/23 animals died for 24 h (Syrian hamster)

No lethality: 4500 mg / kg (Syrian hamster)

Dermal (through the skin) LD50 >2000 mg/kg (rat)

Inhalation (breath) LC50/6 h. >2.13 mg/m³ (rat)

Primary irritant effect:

on the skin: Prolonged or repeated contact may defat the skin and result in dermatitis.

on the eye: Irritant effect.

Subacute to chronic toxicity: not classified

Additional toxicological information:

The product shows the following hazards according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

Danger of skin absorption.

Information on the following groups of potential effects:

Sensitization No sensitizing effects known.

Repeated dose toxicity not determined

Carcinogenicity, mutagenicity and toxicity for reproduction

According to present knowledge no CMR-effects known.

12 Ecological information

12.1 Toxicity

Cas No. 100-42-5: Styrene

EC50/72 h 4.9 mg/l (Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata))/growth rate / for algae

NOEC /96 h. 4.1 mg/l (amphipoda) / for aquatic invertebrates

LC0/96h 10 mg/l (Fathead Minnow) /behavioral disorders; lethality control: 0% /for fish

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

The product contains volatile organic components. Do not allow product to reach ground, water, water course or sewage system and biological treatment plants.

12.5 Results of PBT and vPvB assessment

PBT: No information available.

vPvB: No information available.

12.6 Other adverse effects No further relevant information available.

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13 Disposal considerations

13.1 Waste treatment methods

Recommendation:

Disposal must be made according to official regulations.

European waste catalogue

Waste disposal key numbers have to be assigned depending on origin and processing.

Uncleaned packaging:

Recommendation:

Must not be disposed of together with household garbage. Contaminated packaging must be transported to the companies authorized to collect, recycle or dispose waste.

14 Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	1139	1139	1139
14.2 UN shipping name		COATING SOLUTION	
14.3 Transport classification	3	3	3
14.4 Packing Group	III	III	III
14.5 Environmental hazards:	No	No	No
Marine pollutant:			
14.6 Special precautions for user	Do not transport together with materials of class 1; class 4.2; class 4.3; class 5. Do not use open flame and no smoking		

15 Regulatory information

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

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

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

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.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

REACH: Registration Evaluation and Authorisation of Chemicals

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

NOEC: No observed effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3 Flammable liquids, Hazard Category 3

Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2 Serious Eye Damage / Eye Irritation Category 2

Acute Tox. 4 * Acute toxicity, Hazard Category 4

Repr. 2 Reproductive Toxicity, Hazard Category 2

STOT RE 1 Specific target organ toxicity, Hazard Category 1

GHS02 Hazard pictogram: flame

GHS07 Hazard pictogram: exclamation mark

GHS08 Hazard pictogram: health hazard

Dgr Danger

H226: Flammable liquid. Vapours form explosive mixtures with air.

H315: Irritant to skin.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H361d: Potentially harmful to fecundity or unborn children.

H372: Causes damage to organs Reasons for damage to bodies through prolonged or repeated exposure.