

Safety Data Sheet

according to REACH Regulation (EC) No 1907/2006 and updated
Regulation (EC) No 2020/878

ENFLEX V_-5X4-XXX-XX-XXX

Revision date: 23.06.2023

Product code: 885

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

ENFLEX V_-5X4-XXX-XX-XXX

Further trade names

V-5X4 (X=6, 7, 8)

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

Automotive, construction, electric & electronic, industrial applications

Uses advised against

Medical and food contact applications

1.3. Details of the supplier of the safety data sheet

Company name: Ravago Petrokimya Üretim A.S.
Street: Çoraklar Mh. 5000 Sok. N:7-17 Aliaga Org.San.Bölg.
Place: TR Aliaga / IZMIR (Turkey)
Telephone: +90 850 314 70 99
e-mail: semanur.yildiz@ravago.com / suleyman.gumus@ravago.com
Contact person: Semanur YILDIZ / Suleyman Telephone: 0 850 314 70 99
GUMUS
e-mail: semanur.yildiz@ravago.com / suleyman.gumus@ravago.com
Internet: www.ravagopetrokimya.com.tr

1.4. Emergency telephone number:

0 850 314 70 99
Only during office hours (8 am - 5 pm)

Further Information

Industry sector: Manufacturing of plastic articles and goods including compounding and conversion, eventually recycling.

Type of use:

Recommended uses: For industrial conversion as a raw material for manufacture of articles or goods

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Carc. 2; H351

Full text of hazard statements: see SECTION 16.

2.2. Label elements**Hazard components for labelling**

antimony trioxide

2.3. Other hazards

Preparation/mixture without hazards for human health or environment

Prolonged and repeated inhalation of decomposition products may cause a pulmonary oedema.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Halogenated Flame Retardant TPV Dynamically Vulcanized PP/EPDM

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
1309-64-4	antimony trioxide			1-10 %
	215-175-0	051-005-00-X	01-2119475613-35	
	Carc. 2; H351			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
1309-64-4	215-175-0	antimony trioxide	1-10 %
	oral: LD50 = > 34600 mg/kg		

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection!
Provide adequate ventilation.

After inhalation

Provide adequate ventilation.
In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.
Consult physician.

After contact with skin

The melted product can cause severe burns.
Do not use force or solvents to remove product incrustations from affected skin areas.
After contact with molten product, cool skin area rapidly with cold water.
Consult physician.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Consult physician.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water and Foam. Carbon dioxide (CO₂). Extinguishing powder.

5.2. Special hazards arising from the substance or mixture

Carbon dioxide. Carbon monoxide hydrocarbons. alcohol resistant foam. Sand.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

High slip hazard because of leaking or spilled product. (Granulate)

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6.2. Environmental precautions

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up**Other information**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal. Do not empty into drains.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation. Equipment with built-in suction provisions.

Advice on general occupational hygiene

Provide adequate ventilation. Equipment with built-in suction provisions.
When using do not eat, drink or smoke. Do not breathe dust.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep in a cool place.
Provide adequate ventilation.

Hints on joint storage

storage stability:
storage temperature: < 40 °C unlimited durability.
No special precautionary measures are necessary.

Further information on storage conditions

Shelf-life: 2 years

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
-	Antimony and compounds except stibine (as Sb)	-	0.5		TWA (8 h)	WEL

8.2. Exposure controls**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear eye/face protection.

Hand protection

Wear suitable gloves.

Skin protection

Only wear fitting, comfortable and clean protective clothing.
In case of increasing hazard add: heat-resistant synthetic fibres

Respiratory protection

Respiratory protection necessary at: In the case of the formation of dust (half-mask with filter (DIN EN 149).)

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: solid (Granulate)

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Colour: various
Odour: odourless

Melting point/freezing point:

155-164 °C

Test method

Flash point:

not applicable

Viscosity / kinematic:

not applicable

Water solubility:

insoluble

Solubility in other solvents

Partially soluble in cyclohexane, fully soluble in boiling xylene

Partition coefficient n-octanol/water:

not applicable

Vapour pressure:

not applicable

Density (at 23 °C):

1,15-1,37 g/cm³ ISO 1183

Relative vapour density:

not applicable

9.2. Other information**Information with regard to physical hazard classes**

Explosive properties

not applicable

Oxidizing properties

not applicable

Other safety characteristics

Evaporation rate:

not applicable

Softening point:

50-115 °C ISO 306

Viscosity / dynamic:

not applicable

Further Information

Decomposition temperature > 300 at °C:

Auto-ignition temperature >370 at °C:

SECTION 10: Stability and reactivity**10.1. Reactivity**

No known hazardous reactions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: will not occur.

10.4. Conditions to avoid

Molten resin temperature above 300 at °C:

10.5. Incompatible materials

No specific data.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide hydrocarbons.

Further information

No risks worthy of mention.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

not applicable

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1309-64-4	antimony trioxide				
	oral	LD50 > 34600 mg/kg	Rat	IUCLID	

Irritation and corrosivity

not applicable

Sensitising effects

not applicable

Carcinogenic/mutagenic/toxic effects for reproduction

not applicable

STOT-repeated exposure

not applicable

Specific effects in experiment on an animal

not applicable

SECTION 12: Ecological information**12.1. Toxicity**

Insoluble in: Water.

Ecotoxicological effects: none

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1309-64-4	antimony trioxide					
	Acute fish toxicity	LC50 > 1000 mg/l	96 h	Danio rerio		
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna		

12.2. Persistence and degradability

Not expected to be biodegradable.

12.3. Bioaccumulative potential

This material is not expected to bioaccumulate.

12.4. Mobility in soil

Floats on water. Remains on surface of soil.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

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Refer to manufacturer or supplier for information on recovery or recycling.
Material recycling possible.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.
14.3. Transport hazard class(es): none

Inland waterways transport (ADN)

14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.
14.3. Transport hazard class(es): none

Marine transport (IMDG)

14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.
14.3. Transport hazard class(es): none

Air transport (ICAO-TI/IATA-DGR)

14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.
14.3. Transport hazard class(es): none

Other applicable information (air transport)

ICAO/IATA-DGR: none

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 75

Additional information

According to Directive 1999/45/EC or Appendix VI to Directive 67/548/EEC the preparation requires no special labelling.

nwg (KBwS-Einstufung), KBwS-Nr.: 766

National regulatory information**SECTION 16: Other information****Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Carc. 2; H351	Calculation method

Relevant H and EUH statements (number and full text)

H351 Suspected of causing cancer.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Disclaimer:

This safety datasheet should be used in conjunction with technical datasheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose than that for which it was intended. This does not in any way excuse the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user

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from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility. Furthermore, this safety datasheet is made up based on the legal requirements as set by EC 1272/2008 based on information as is available per July 2017 (date of entry into force). That information that is not yet filled in depends on the input we receive from our suppliers following the time scale as foreseen by EC 1272/2008 and depends solely on the registration of the concerned substances. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)