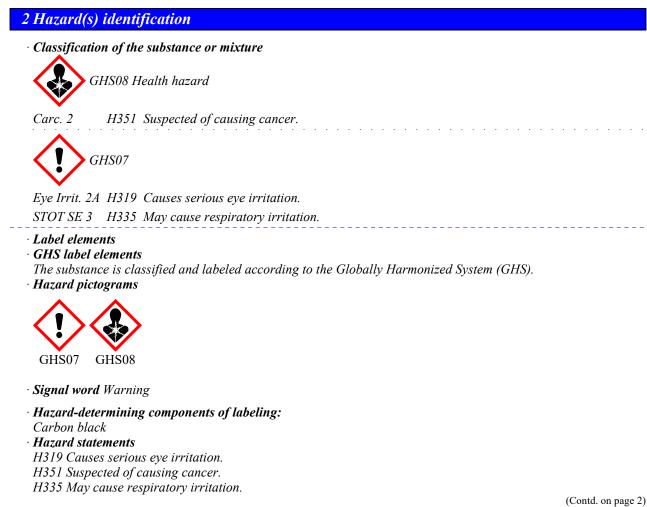
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1 Identification

- · Product name
- Trade name: Acetylene carbon black (50% compressed)
- Item number: 06-0026
- · CAS Number:
- 1333-86-4
- *EC number:* 231-153-3
- 251-155-5
- Details of the supplier of the safety data sheet
 Manufacturer/Supplier: Strem Chemicals, Inc.
 7 Mulliken Way
- NEWBURYPORT, MA 01950 USA info@strem.com
- · Information department: Technical Department
- *Emergency telephone number: EMERGENCY: CHEMTREC: + 1 (800) 424-9300 During normal opening times: +1 (978) 499-1600*



e 2) — US

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D .	(Contd. of p
• Precautionary s P262	statements Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if pr
	and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/internat
~	regulations.
Classification s	
NFPA ratings (scale 0 - 4)
H	Iealth = I
F	ire = 0
	eactivity = 0
HMIS-ratings ((ragle 0, 1)
IIMIS-ruungs (scule 0 - 4)
HEALTH *1	Health = *1
	Fire = 0
REACTIVITY 0	Reactivity = 0
Results of PBT	and vPvB assessment
Results of PBT PBT: Not applie	and vPvB assessment cable.
Results of PBT PBT: Not applie vPvB: Not apple	and vPvB assessment cable.
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5 Fire-fighting measures

· Extinguishing media

• Suitable extinguishing agents: Use fire fighting measures that suit the environment.

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9 mg/m3

99 mg/m3

590 mg/m3

Trade name: Acetylene carbon black (50% compressed)

• Special hazards arising from the substance or mixture No further relevant information available.

• Advice for firefighters

· Protective equipment: No special measures required.

6 Accidental release measures

• Personal precautions, protective equipment and emergency procedures Not required.

- Environmental precautions: No special measures required.
- *Methods and material for containment and cleaning up:* Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- · 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.

Protective Action Criteria for Chemicals

• PAC-1:

· PAC-2:

· PAC-3:

7 Handling and storage

· Handling:

- *Precautions for safe handling* No special precautions are necessary if used correctly.
- Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities

· Storage:

- **Requirements to be met by storerooms and receptacles:** No special requirements.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters

• Components with limit values that require monitoring at the workplace:

1333-86-4 Carbon black

PEL Long-term value: 3.5 mg/m³

REL Long-term value: 3.5 mg/m³*

*0.1 in presence of PAHs;See Pocket Guide Apps.A+C

TLV Long-term value: 3* mg/m³

*inhalable fraction

• *Additional information:* The lists that were valid during the creation were used as basis.

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Trade name: Acetylene carbon black (50% compressed)

(Contd. of page 3)

- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eves and skin.
- Breathing equipment: A NIOSH approved respirator in accordance with 29 CFR 1910.134.
- · Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation · *Material of gloves*

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

Information on basic physical and	chemical properties	
General Information		
Form:	Powder	
Color:	Black	
Odor:	Odorless	
• Odor threshold:	Not determined.	
pH-value:	<7	
· Change in condition		
Melting point/Melting range:	3.652-3.697 °C (39-39 °F)	
Boiling point/Boiling range:	3.500 °C (38 °F)	
Flash point:	Not applicable.	
· Flammability (solid, gaseous):	Not determined.	
Ignition temperature:		
Decomposition temperature:	Not determined.	

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Trade name: Acetylene carbon black (50% compressed)

		(Contd. of page
Auto igniting:	Not determined.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapor pressure:	1 hPa (1 mm Hg)	
Density at 20 °C (68 °F):	1.75 g/cm³ (14.60375 lbs/gal)	
Bulk density at 20 °C (68 °F):	20-200 kg/m ³	
Relative density	Not determined.	
Vapor density	Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with		
Water:	Insoluble.	
Partition coefficient (n-octanol/wa	t ter): Not determined.	
Viscosity:		
Dynamic:	Not applicable.	
Kinematic:	Not applicable.	
Solvent content:		
Organic solvents:	0.0 %	
VOC content:	0.0 g/l / 0.00 lb/gl	
Solids content:	100.0 %	
Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity No further relevant information available.

· Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

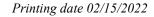
1333-86-4 Carbon black

Oral LD50 10000 mg/kg (rat)

- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.

(Contd. on page 6)

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Trade name: Acetylene carbon black (50% compressed)

(Contd. of page 5)

2B

 \cdot Additional toxicological information:

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

·NTP (National Toxicology Program)

Substance is not listed.

· OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- Additional ecological information:
- · General notes: Not known to be hazardous to water.
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:
- *Recommendation:* Disposal must be made according to official regulations.

· UN-Number		
· DOT, ADN, IMDG, IATA	not regulated	
· UN proper shipping name		
· DOT, ADN, IMDG, IATA	not regulated	
· Transport hazard class(es)		
· DOT, ADN, IMDG, IATA		
· Class	not regulated	
· Packing group		
DOT, ĬMDĠ, IATA	not regulated	
· Environmental hazards:		
· Marine pollutant:	No	

Trade name: Acetylene carbon black (50% compressed) (Contd. of page 6) · Special precautions for user Not applicable. · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · UN "Model Regulation": not regulated 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture • Sara · Section 355 (extremely hazardous substances): Substance is not listed. • Section 313 (Specific toxic chemical listings): Substance is not listed. • TSCA (Toxic Substances Control Act): Substance is listed. Proposition 65 WARNING. Proposition 65 - https://www.p65warnings.ca.gov/ Chemicals known to cause cancer: Substance is listed. Chemicals known to cause reproductive toxicity for females: Substance is not listed. · Chemicals known to cause reproductive toxicity for males: Substance is not listed. Chemicals known to cause developmental toxicity: Substance is not listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

Substance is not listed.

• TLV (Threshold Limit Value established by ACGIH)

A4

·NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is listed.

• GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



· Signal word Warning

• Hazard-determining components of labeling: Carbon black

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Trade name: Acetylene carbon black (50% compressed)

	(Contd. of page 7)
· Hazard stateme	nts
H319 Causes se	rious eye irritation.
H351 Suspected	of causing cancer.
H335 May caus	e respiratory irritation.
· Precautionary s	tatements
P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P3	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
	and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.
Cl	A Chamical Sofety Assessment has not how a similar date

· 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.

- · Department issuing SDS: Technical Department.
- · Contact: Technical Director
- · Date of preparation / last revision 02/15/2022 / -
- · 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 DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Carc. 2: Carcinogenicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3