(Contd. on page 2) DE/E

Printing date 01.07.2013	Revision: 05.09.2003		
SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier			
Trade name Stock number:	Graphite fluorinated, polymer, F 63% minimum		
EC number: 1.2 Relevant identified uses of the substand Identified use:	234-345-5 e or mixture and uses advised against. SU24 Scientific research and development		
1.3 Details of the supplier of the safety data Manufacturer/Supplier:	1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: Alfa Aesar GmbH & Co.KG		
manufactaren euppnen	A Johnson Matthey Company		
	76185 Karlsruhe / Germany Tel: +49 (0) 721 84007 280		
	Zeppelinstr. 7b 76185 Karlsruhe / Germany Tel: +49 (0) 721 84007 280 Fax: +49 (0) 721 84007 300 Email: tech@alfa.com		
Informing department:	www.alfa.com Product safety Tel + +049 (0) 7275 988687-0 Carechem 24: +44 (o) 1235 239 670 (Multi-language emergency number)		
1.4 Emergency telephone number:	Carechem 24: +44 (0) 1235 239 670 (Multi-language emergency number) Poison Information Center Mainz www.giftinfo.uni-mainz.de Telephone: +49(0)6131/19240		
SECTION 2: Hazards identification			
2.1 Classification of the substance or mixtu Classification according to Regulation (EC)			
GHS07			
Skin Irrit. 2 H315 Causes skin irritation.			
Eye Irrit. 2 H319 Causes serious eye irritatio STOT SE 3 H335 May cause respiratory irrita			
Classification according to Directive 67/548			
Xi; Irritant R36/37/38: Irritating to eves, respiratory syst	em and skin.		
R36/37/38: Irritating to eyes, respiratory syst Information concerning particular hazards for human and environment:	Not applicable		
Other hazards that do not result in classification	No information known.		
2.2 Label elements Labelling according to Regulation (EC) No			
1272/2008 Hazard pictograms	The substance is classified and labelled according to the CLP regulation. GHS07		
Signal word Hazard statements	Warning H315 Causes skin irritation.		
	H319 Causes serious eye irritation. H335 May cause respiratory irritation.		
Precautionary statements	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if		
	P302+P352 present and easy to do. Continue rinsing. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P321 Specific treatment (see on this label).		
	P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international		
2.3 Other hazards	regulations.		
Results of PBT and vPvB assessment PBT: vPvB:	Not applicable. Not applicable.		
SECTION 3: Composition/information			
3.1 Substances CAS# Designation:	Graphite fluorinated, polymer, F 63% minimum		
Identification number(s): EC number:	234-345-5		
SECTION 4: First aid measures			
4.1 Description of first aid measures			
After inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Seek immediate medical advice.		
After skin contact	Rub in Ca-gluconate solution or Ca-gluconate gel immediately. Instantly wash with water and soap and rinse thoroughly.		
After eye contact	Seek immediate medical advice. Rinse opened eye for several minutes under running water. Then consult doctor.		
After swallowing 4.2 Most important symptoms and effects.	Seek medical treatment.		
both acute and delayed 4.3 Indication of any immediate medical	No further relevant information available.		
attention and special treatment needed	No further relevant information available.		
SECTION 5: Firefighting measures 5.1 Extinguishing media			
Suitable extinguishing agents 5.2 Special hazards arising from the	Use fire fighting measures that suit the environment.		
substance or mixture	If this product is involved in a fire, the following can be released: Hydrogen fluoride (HF)		
5.3 Advice for firefighters Protective equipment:	Wear self-contained breathing apparatus. Wear full protective suit.		
SECTION 6: Accidental release measures			
6.1 Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away.		
6.2 Environmental precautions:	Ensure adequate ventilation Do not allow material to be released to the environment without proper governmental permits.		
-	Do not allow product to reach sewage system or water bodies. (Contd. on page 2)		

de name Graphite fluorinated, polym	
	er, F 63% minimum
	Do not allow to enter the ground/soil. (Contd. of pag
6.3 Methods and material for containment and cleaning up:	Ensure adequate ventilation.
Prevention of secondary hazards: 6.4 Reference to other sections	Ensure adequate ventilation. No special measures required. See Section 2 for information on safe handling.
	See Section 7 for information on safe handling See section 8 for information on personal protection equipment.
	See Section 13 for information on disposal.
SECTION 7: Handling and storage	
7.1 Precautions for safe handling	Keep containers tightly sealed. Store in cool, dry place in tightly closed containers.
Information about protection against	Ensure good ventilation/exhaustion at the workplace.
explosions and fires:	The product is not flammable
7.2 Conditions for safe storage, including a Storage	
Requirements to be met by storerooms and containers:	No special requirements.
Information about storage in one common storage facility:	No information known.
Further information about storage conditions:	Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.
7.3 Specific end use(s)	Store in cool, dry conditions in well sealed containers. No further relevant information available.
SECTION 8: Exposure controls/person	
Additional information about design of	
technical systems:	Properly operating chemical fume hood designed for hazardous chemicals and having an average face velo of at least 100 feet per minute.
8.1 Control parameters	
Components with critical values that requir monitoring at the workplace:	
	Fluorides (as F) mg/m3
	ACGIH TLV 2.5 Austria MAK 2.5
	Belgium TWA 2.5 Finland TWA 2.5
	France TWA 2.5
	Germany MAK 2.5 Hungary TWA 1; 2-STEL
	Netherlands MAC-K 3.5
	Poland TWA 1; 3-STEL
	Sweden NGV 2 Switzerland MAK <u>-W</u> 1.5; 3-KZG-W
	United Kingdom TWA 2.5 Russia TWA 2
	Denmark TWA 2.5 USA PEL 2.5
Additional information:	No data
Personal protective equipment	The usual precautionary measures should be adhered to in handling the chemicals.
Personal protective equipment	Keep away from foodstuffs beverages and food
Personal protective equipment	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eves and skin.
Personal protective equipment General protective and hygienic measures	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eves and skin.
Personal protective equipment General protective and hygienic measures Breathing equipment:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition.
Personal protective equipment General protective and hygienic measures Breathing equipment:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quali and varies from manufacturer to manufacturer.
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of qualir and varies from manufacturer to manufacturer. Impervious gloves
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of qualit and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quali and varies from manufacturer to manufacturer. Impervious gloves Not determined
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection: Body protection:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quali and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing.
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection: Body protection: <u>SECTION 9: Physical and chemical pro</u> 9.1 Information on basic physical and chem	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quali and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing.
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection: Body protection: <u>SECTION 9: Physical and chemical pro</u> 9.1 Information on basic physical and chem General Information Appearance:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of qualir and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing. Deperties hical properties
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection: Body protection: <u>SECTION 9: Physical and chemical pro</u> 9.1 Information on basic physical and chem General Information Appearance: Form:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of qualit and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing. Deperties Notal properties Powder
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection: Body protection: <u>SECTION 9: Physical and chemical pro</u> 9.1 Information on basic physical and chem General Information Appearance: Form: Colour: Smell:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of qualir and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing. Deperties Powder White Odourless
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Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection: Body protection: <u>SECTION 9: Physical and chemical pro</u> 9.1 Information on basic physical and chem General Information Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of qualit and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing. Deperties Not applicable. Not applicable.
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection: Body protection: <u>SECTION 9: Physical and chemical pro</u> 9.1 Information on basic physical and chem General Information Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quali and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing. Deperties Not determined. Not applicable. Not determined Not determined
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Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection: Body protection: <u>SECTION 9: Physical and chemical pro</u> 9.1 Information on basic physical and chem General Information Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/Boiling range: Boiling point/Boiling range: Sublimation temperature / start: Flash point: Inflammability (solid, gaseous) Ignition temperature:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of qualir and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing. poerties hical properties Not determined. Not applicable. Not determined Not determined Not determined Not applicable
Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flash point: Inflammability (solid, gaseous) Ignition temperature: Decomposition temperature: Self-inflammability:	Keep away from foodstiffs, beverages and food. Instantly remove any solied and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of qualit and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing. Deperties Deperties Not determined. Not applicable. Not determined Not determined. Not determined Not determined. Not determined Not determined. Not determined Not determined. Not determined.
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection: Body protection: Body protection: SECTION 9: Physical and chemical pro 9.1 Information on basic physical and chem General Information Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/Boiling range: Boiling point/Boiling range: Sublimation temperature / start: Flash point: Inflammability (solid, gaseous) Ignition temperature: Decomposition temperature: Self-inflammability: Danger of explosion: Critical values for explosion:	Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of qualit and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing. Powder White Odourless Not determined. Not applicable. Not determined Not det
Personal protective equipment General protective and hygienic measures Breathing equipment: Protection of hands: Material of gloves Penetration time of glove material Eye protection: Body protection: Body protection: SECTION 9: Physical and chemical pro 9.1 Information on basic physical and chem General Information Appearance: Form: Colour: Smell: Odour threshold: pH-value: Change in condition Melting point/Boiling range: Boiling point/Boiling range: Bublimation temperature / start: Flash point: Inflammability (solid, gaseous) Ignition temperature: Decomposition temperature: Self-inflammability: Danger of explosion:	Keep away from foodstiffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of qualit and varies from manufacturer to manufacturer. Impervious gloves Not determined Safety glasses Face protection Protective work clothing. Deperties Deperties Not determined. Not applicable. Not determined Not determined. Not determined.

Revision: 05.09.2003

Trade name Graphite fluorinated, polymer, F 63% minimum

Bensity Heating entry Heating entry		(Contd. of page 2)
Water: incoluble viscosity: dynamic: dynami	Relative density Vapour density Evaporation rate	Not determined. Not applicable.
dynamic: Not applicable: 32.00m Not information 32.00m Not information 32.00m Not information 32.00m Not information known. 102.2 Chemical stability Not information known. 103.2 Chemical stability Not information known. 103.4 Rescriptity Not information known. 103.4 Rescriptity Not electer known. 103.4 Rescriptity Not electer known. 103.4 Rescriptity Not electer known. 104.1 Infrastion on toxicological effects No data Causes skin infraston No data Causes skin infraston No data Causes skin infraston No effects known. No effects known. No effects known. Causes skin infraston No effects known. Reproductive toxicity: No effects known. Specific targef organ system toxicity - repaide edopataie No effects known. Specific targef organ system toxicity: No further relevant information 12.1 Formation No further relevant information 12.2 Fortiontargef organ system toxicity: No further relevan	Water: Partition coefficient (n-octanol/water):	
10.1 Rescrivity No information known. 10.2 Chemical stability No information known. 10.3 Possibility of hazardous reactions No decommended storage conditions. 10.4 Thermal is composition / conditions to be decomposition if used and stored according to specifications. No decomposition if used and stored according to specifications. 10.4 Thermal is control or correstion: No decomposition if used and stored according to specifications. 11.1 Information on toxicological information No effects known. 12.1 Specific arge event for correstion: No effects known. 13.1 Wasse decomposition or correstion: Causes shin irritation. 14.1 Information correstion: Causes shin irritation. 15.2 Specific arge organ system toxicity: No effects known. 15.2 Corresting or gan system toxicity: No effects known. 12.1 Toxicological information No effects known. 22.1 Toxicological information No effects known. 12.1 Toxicological information No effects known.	dynamic: kinematic:	Not applicable.
10.1 Resetuivity No information known. 10.2 Chemical stability No information known. 10.3 Possibility of hazardous reactions No decomposition if used and stored according to specifications. 10.5 Hazardous decomposition products: No decomposition fused and stored according to specifications. 11.1 Information on toxicological information No effects known. 11.1 Information on toxicological information No effects known. 12.0 LPCs values No effects known. 12.0 LPCs values No effects known. 12.0 LPCs values No effects known. 13.0 effects known. Causes selin instation. Carcinogenicity: No effects known. 14.0 effects known. Causes selin instation. 15.0 effects known. O data 15.0 effects known. No effects known. 15.0 effects known. No effects known. 15.1 Master organ system toxicity - singet No effects known. 15.1 Master organ system toxicity - singet No effects known. 12.1 Toxicity No effects known. 12.1 Toxicity No utribut relevant information available. 12.1 Toxicity No utribut relevant information available. 12.1 Posicity <th>SECTION 10: Stability and reactivity</th> <th></th>	SECTION 10: Stability and reactivity	
avoided: No decomposition if used and stored according to specifications. 10.3 Possibility of hearnings. No decomposition if used and stored according to specifications. 10.4 Possibility of hearnings. No decomposition if used and stored according to specifications. 10.4 Possibility of hearnings. No decomposition if used and stored according to specifications. 10.4 Possibility of hearnings. No decomposition if used and stored according to specifications. 11.1 Information on toxicological effects. No effects known. 12.1 Information or corosion: No data Swn itriation or corosion: Causes skin infration. Swn itriation or corosion: No denotitizing effect known. Germ cell mutagenicity: No data Reproductive toxicity: No effects known. Specific target organ system toxicity - single reproductive toxicity: No effects known. Specific target organ system toxicity - single reproductive toxicity: No effects known. Station hazard: No further relevant information available. 12.1 Toxicity No further relevant information available. 12.1 Toxicity No further relevant information available. 12.4 Mobility in soil No turber relevant information available.	10.1 Reactivity 10.2 Chemical stability	
11.1 Information on toxicological effects No effects known. Acute toxicity: No effects known. Causes serious eye initiation. Causes serious eye initiation. Eve Initiation or corrosion: Causes serious eye initiation. Germ cell mutageneity: No sensitizion Bopcific target organ system toxicity - Specific target organ system toxicit	avoided: 10.3 Possibility of hazardous reactions 10.5 Incompatible materials:	No dangerous reactions known No information known.
Acute toxicity: No effects known. DULCSO values that are relevant for Stin irritation or corrosion: Causes service were that the Causes service were that the Causes service were that the or ACGH. Causes service were that the causes service were that the or ACGH. Gerr cell nutagenicity: No effects known. Causes service were that the or ACGH. Reproductive toxicity: No effects known. Specific target organ system toxicity - specific target organ organ system toxicity - specific target organ system toxicity - specific target organ organ system toxicity - specific target organ organ system toxicity - specific target organ organ system toxicity - specific	SECTION 11: Toxicological information	
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Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: Causes skin irritation. Sensitization: Causes skin irritation. Sensitization: No effects known. Sensitization: No effects known. Specific target organ system toxicity - No effects known. Specific target organ system toxicity - No effects known. Specific target organ system toxicity - No effects known. Specific target organ system toxicity - No effects known. Settion: To effects known. Settion: No effects known. Settion: To effects known. Settion: To effects known. Settion: To effects known. Settion: No effects known. Settion: To effects known. Settion: No utriter relevant information. 12:1 Ecococation: To best of our knowledge the acute and chronic toxicity of this substance is not fully known. 12:1 Toxicity No utriter relevant information available. 12:3 Bioaccumulative peterntial No further relevant information available.	LD/LC50 values that are relevant for	
Sensitization: No sensitizing effect known. Gerr cell mutagenicity: No effects known. Reproductive toxicity: No effects known. Specific target organ system toxicity - irepated exposure: No effects known. Specific target organ system toxicity - irepated exposure: No effects known. Specific target organ system toxicity - single May cause respiratory irritation. Additional toxicological information: No further relevant information available. 72.2 Persistence and degradability No further relevant information available. 72.3 Bioaccumulative potential No further relevant information available. Additional toxicity: No further relevant information available. 72.4 For state organ information: No further relevant information available. Additional toxicity: No further relevant information available. Additional toxicity: No further relevant information available. 72.5 Results of PBT and vPvB assessment No turther relevant information available. 71.6 Secults of PBT and vPvB assessment No applicable. No applicable. No applicable. No applicable. No applicable. No applicable. None 71.1 Waste treatment methods Recomme	Skin irritation or corrosion:	Causes skin irritation.
Germ cell mutagenicity: No effects knöwn. No effects knöwn. Carcinogenicity: No effects knöwn. No effects knöwn. Specific target organ system toxicity - single No effects knöwn. No effects knöwn. Specific target organ system toxicity - single No effects knöwn. No effects knöwn. Aspiration hazard: No further relevant information available. No further relevant information available. SECTION 12: Ecological information: No further relevant information available. No further relevant information available. 12:1 Toxicity No further relevant information available. No further relevant information available. 12:3 Bioaccumulative potential No further relevant information available. No turber relevant information available. 12:5 Results of PBT and vPvB assessment PBT: No tapplicable. No tapplicable. vVcB: No applicable. No tapplicable. No tapplicable. vDr applicable. No ne Consult state, local or national regulations for proper disposal. <td< th=""><th>Sensitization:</th><th>No sensitizing effect known</th></td<>	Sensitization:	No sensitizing effect known
Reproductive toxicity: No effects known. Specific target organ system toxicity - single No effects known. Specific target organ system toxicity - single May cause respiration intains. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 12: Ecological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. 12.1 Toxicity No further relevant information available. 12.2 Persistence and degradability No further relevant information available. 12.3 Bioaccumulative potential No further relevant information available. Additional toxicoly: No further relevant information available. Ceneral notes: Do for allow material to be released to the environment without proper governmental permits. General notes: Do not allow material to be released to the environment. YES No turther relevant information available. Not applicable. No tarplicable. No tarbipicable. No tarbipicable. Yes No applicable. No tarbipicable. No tarbipicable. No tarbipicable. No tarbipicable. Yes Disposal must be made according to official regulations.		No effects known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA
répeated exposure: No effects known. Additional toxicological information: No effects known. Aspiration hazard: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. SECTION 12: Ecological information: No further relevant information available. 12: Toxicity No further relevant information available. 7: Section of the ecological information: No further relevant information available. 12: Persistence and degradability No further relevant information available. 12: Persistence and degradability No further relevant information available. 12: Persistence and degradability No further relevant information available. 42: General notes: Do not allow material to be released to the environment without proper governmental permits. General notes: Do not allow material to be released to the environment. PBT: No applicable. No turther relevant information available. No applicable. SECTION 13: Disposal considerations Hand over to disposes of hazardous waste. Recommendation Hand over to disposes of hazardous waste. Nue the specially treated under adherence to official regulations. Uncleaned packag		
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14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC	ADR, IMDG, IATA	None
14.5 Environmental hazards: Not applicable. 14.6 Special precautions for user Not applicable. 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC	Packing group ADR, IMDG, IATA	None
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC		
Transport/Additional information: Not dangerous according to the above specifications.	Transport/Additional information:	Not dangerous according to the above specifications.
SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture		
Australian Inventory of Chemical Substances Substance is not listed.	Substances	Substance is not listed.
Standard for the Uniform Scheduling of Drugs and Poisons National regulations Substance is not listed.	Drugs and Poisons	Substance is not listed.
National regulations Information about limitation of use: For use only by technically qualified individuals.		For use only by technically qualified individuals.
Employment réstrictions concerning young persons must be observed. (Contd. on page 4) DE/E		Contd. on page 4)

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Trade name Graphite fluorinated, polymer, F 63% minimum

Water hazard class: Other regulations, limitations and prohibitive ELINCS (European List of Notified Chemical Substances) Substances of very high concern (SVHC) according to REACH, Article 57 REACH - Pre-registered substances 15.2 Chemical safety assessment:	
SECTION 16: Other information Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.	

 Department issuing data specification sheet:
 Health, Safety and Environmental Department.

 Abbreviations and acronyms:
 Abbreviations and acronyms:

 Abbreviations and acronyms:
 Abbreviation and there is a second europeen sure transport des marchandises dangerouses par Route (European Agreement concerning the International Carriage of Dangerous Goods INTA: International Maritime Code for Dangerous Goods INTA: International Maritime Code for Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

 LC50: Lethal dose, 50 percent
 DE/E

DE/E