



THE INTERNATIONAL GROUP, INC.

# SAFETY DATA SHEET

Version #: 03  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Trade name or designation of the mixture** 4500 - 4600 Series Products (Astorlite<sup>®</sup>, Nochek<sup>®</sup>, Parafflex<sup>®</sup>)

**Registration number** -

**Synonyms** See page 13

**SDS number** 4500 - 4600 Series (928741)\_Europe\_English

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Various end uses e.g. additional processing, candles, tire and rubber additives, adhesives, food contact coatings etc.

**Uses advised against** None known.

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer** The International Group Inc.

**Address** 50 Salome Dr  
Toronto, Ontario, M1S 2A8  
Canada

**Telephone** +1-(416)-293-4151

**Only Representative** INTERTEK FRANCE

**Address** Allée de la Fosse Moret  
Eco parc 2  
27400 Heudebouville  
France

**Telephone** +33 2 79 23 03 49

**E-mail** if.reach@intertek.com

**1.4. Emergency telephone number** +1-(416)-293-4151

+1-(800)-561-3509

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

**Hazard pictograms** None.

**Signal word** None.

**Hazard statements** The mixture does not meet the criteria for classification.

#### Precautionary statements

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Supplemental information on the label** None.

### 2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight.

The mixture does not contain any substances having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1% by weight.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

The components are not hazardous or are below required disclosure limits.

## SECTION 4: First aid measures

**General information** If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance.

### 4.1. Description of first aid measures

<b>Inhalation</b>	Solid: No specific first aid measures noted. If fumes from heated product are inhaled: Move to fresh air. Call a POISON CENTRE or doctor/physician if you feel unwell.
<b>Skin contact</b>	Solid: No specific first aid measures noted. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.
<b>Eye contact</b>	Solid: No specific first aid measures noted. Exposure to fumes, vapors or smoke of over heated product can result in irritation of eyes. Direct contact of molten material will cause injury and burns. When handling of molten product eye shield must be worn at all times. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Should an accident occur, flush eyes with generous amounts of water for at least 15 minutes. Administer prompt first aid measures. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Solid: No specific first aid measures noted. Not acutely toxic by ingestion. If material is ingested, do not induce vomiting. Contact with hot product may cause severe burns. Get medical attention immediately.

**4.2. Most important symptoms and effects, both acute and delayed** Eye and skin contact: When heated, contact with molten product can cause injury and burns.

**4.3. Indication of any immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically.

## SECTION 5: Firefighting measures

**General fire hazards** No unusual fire or explosion hazards noted. Will burn if involved in a fire.

### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture** By heating and fire, irritating vapours/gases may be formed. During fire, hazardous combustion products are released that may include: Carbon oxides. Aldehydes. Ketones.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special fire fighting procedures** In case of fire and/or explosion do not breathe fumes. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Use water spray to cool unopened containers. Withdraw immediately in case of rising sound from venting safety device or any discolouration of tanks due to fire. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Keep unnecessary personnel away. Wear appropriate personal protective equipment.

**For emergency responders** Keep unnecessary personnel away. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up.

- 6.2. Environmental precautions** Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.
- 6.3. Methods and material for containment and cleaning up** Handle as a thermoplastic. With molten spills, allow the material to solidify and cool. Keep material out of sewers and watercourses by diking or impounding. Recover and place into appropriate containers for recycling or disposal, according to prevailing local, regional and national laws.
- Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Allow material to solidify, and scrape up. Following product recovery, flush area with water.
- Small Spills: Where possible allow molten material to solidify naturally.
- Never return spills to original containers for re-use.
- 6.4. Reference to other sections** For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

- 7.1. Precautions for safe handling** When kept in molten state, inert gas blanketing may be used to avoid material degradation. As a solid, avoid contamination by keeping in closed containers. Do not handle until all safety precautions have been read and understood. Heat only in areas with appropriate exhaust ventilation. Do not breathe fume/mist/vapors. Avoid contact with molten material. When using, do not eat, drink or smoke. Observe good industrial hygiene practices. Do not empty into drains. Avoid release to the environment. Wash contaminated clothing before reuse. The material is a solid at room temperature exhibiting elevated temperature softening characteristics. Above its softening point, the material liquefies and flows more readily as the temperature increases. The material may be used as a hot liquid for application purposes and requires caution in handling.
- 7.2. Conditions for safe storage, including any incompatibilities** Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS). When kept in molten state, inert gas blanketing may be used to avoid material degradation. As a solid, avoid contamination by keeping in closed containers.
- 7.3. Specific end use(s)** Various end uses e.g. additional processing, candles, tire and rubber additives, adhesives, food contact coatings etc. Observe industrial sector guidance on best practices.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Belgium. Exposure Limit Values

Components	Type	Value	Form
Hydrocarbons	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.
Components	Type	Value	Form
Mineral oil	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.

##### Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value	Form
Hydrocarbons	TWA	5 mg/m <sup>3</sup>	
Mineral oil	TWA	10 mg/m <sup>3</sup>	Dust.
Components	Type	Value	
Mineral oil	TWA	5 mg/m <sup>3</sup>	

##### Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
Hydrocarbons	Ceiling	10 mg/m <sup>3</sup>	Aerosol
	TWA	5 mg/m <sup>3</sup>	Aerosol
Mineral oil	TWA	5 mg/m <sup>3</sup>	Dust.
Components	Type	Value	Form
Mineral oil	Ceiling	10 mg/m <sup>3</sup>	Aerosol
	TWA	5 mg/m <sup>3</sup>	Aerosol

**Denmark. Exposure Limit Values**

Components	Type	Value	Form
Hydrocarbons	TLV	1 mg/m3	Mist.

**Finland. Workplace Exposure Limits**

Components	Type	Value	Form
Hydrocarbons	TWA	5 mg/m3	Mist.
Mineral oil	TWA	5 mg/m3	Mist.

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

Components	Type	Value	Form
Hydrocarbons	TWA	5 mg/m3	Respirable fraction.
Mineral oil	TWA	5 mg/m3	Respirable fraction.

**Greece. OELs (Decree No. 90/1999, as amended)**

Components	Type	Value	Form
Hydrocarbons	TWA	5 mg/m3	Mist.
Mineral oil	TWA	5 mg/m3	Mist.

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Components	Type	Value	Form
Hydrocarbons	TWA	5 mg/m3	
Mineral oil	TWA	5 mg/m3	

**Iceland. OELs. Regulation 390/2009 on Pollution Limits and Measures to Reduce Pollution at the Workplace, as amended**

Components	Type	Value	Form
Hydrocarbons	TWA	1 mg/m3	Mist.
Mineral oil	TWA	1 mg/m3	Mist.

**Ireland. Occupational Exposure Limits**

Components	Type	Value	Form
Mineral oil	TWA	5 mg/m3	Inhalable fraction.

**Italy. OELs**

Components	Type	Value	Form
Hydrocarbons	TWA	5 mg/m3	Inhalable fraction.
Mineral oil	TWA	5 mg/m3	Inhalable fraction.

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value	Form
Hydrocarbons	TWA	5 mg/m3	
Mineral oil	TWA	5 mg/m3	Dust.
Mineral oil	TWA	5 mg/m3	

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)**

Components	Type	Value	Form
Hydrocarbons	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements (Hygiene Norm HN 23:2007)**

Components	Type	Value	Form
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Mineral oil	TWA	10 mg/m3	
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Components	Type	Value	Form
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Mineral oil	STEL	3 mg/m3	Fume and mist.
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	TWA	1 mg/m3	Fume and mist.
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**Netherlands. OELs (binding)**

Components	Type	Value	Form
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Hydrocarbons	TWA	5 mg/m3	Mist.
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Components	Type	Value	Form
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Mineral oil	TWA	5 mg/m3	Mist.
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**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value	Form
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Hydrocarbons	TLV	1 mg/m3	Mist.
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Components	Type	Value	Form
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Mineral oil	TLV	1 mg/m3	Mist.
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**Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)**

Components	Type	Value	Form
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Mineral oil	TWA	5 mg/m3	Inhalable fraction.
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**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

Components	Type	Value	Form
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Hydrocarbons	TWA	5 mg/m3	Inhalable fraction.
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Components	Type	Value	Form
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Mineral oil	TWA	5 mg/m3	Inhalable fraction.
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**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value	Form
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Hydrocarbons	STEL	10 mg/m3	
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	TWA	5 mg/m3	
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Components	Type	Value	Form
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Mineral oil	STEL	10 mg/m3	
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	TWA	5 mg/m3	
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**Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents**

Components	Type	Value	Form
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Hydrocarbons	TWA	1 mg/m3	Fume and mist.
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		5 ppm	Fume and mist.
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Mineral oil	TWA	10 mg/m3	Dust.
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Components	Type	Value	Form
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Mineral oil	TWA	1 mg/m3	Fume and mist.
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		5 ppm	Fume and mist.
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**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

Components	Type	Value	Form
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Hydrocarbons	STEL	3 mg/m3	Fume and mist.
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		15 ppm	Fume and mist.
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Components	Type	Value	Form
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Mineral oil	STEL	3 mg/m3	Fume and mist.
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		15 ppm	Fume and mist.
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**Spain. Occupational Exposure Limits**

Components	Type	Value	Form
Hydrocarbons	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Mineral oil	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
Components	Type	Value	Form
Mineral oil	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

**Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended**

Components	Type	Value	Form
Hydrocarbons	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.
Components	Type	Value	Form
Mineral oil	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value	Form
Hydrocarbons	TWA	5 mg/m3	Inhalable fraction.
Components	Type	Value	Form
Mineral oil	TWA	5 mg/m3	Inhalable fraction.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

**Exposure guidelines****Austria. MAK List**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**Belgium OELs: Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**Croatia ELVs: Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**Czech Republic PELs: Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**Denmark GV: Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**Estonia OELs: Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**EU. OELs from Annex III, Part A to Directive 2004/37/EC: Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**France INRS: Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**France Mandatory OELs (VLEP): Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**Iceland OELs: Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**Ireland Exposure Limit Values: Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**Lithuania OELs: Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

**Netherlands OELs (binding): Skin designation**

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

### Romania OELs: Skin designation

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

### Slovakia OELs for Carcinogens and Mutagens: Skin designation

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

### Slovenia. CMR. Protection of workers from exposure to carcinogen and mutagen agents (ULRS 101/2005, as amended)

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

### Sweden Threshold Limit Values: Skin designation

Mineral oil (CAS Proprietary) Can be absorbed through the skin.

## 8.2. Exposure controls

**Appropriate engineering controls** Ensure adequate ventilation, especially in confined areas. Provide easy access to water supply and eye wash facilities.

### Individual protection measures, such as personal protective equipment

**General information** Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** Wear approved safety goggles. Wear a face shield when working with molten material. Eye protection should meet standard EN 166.

#### Skin protection

**- Hand protection** Wear suitable gloves tested to EN374. Suitable gloves can be recommended by the glove supplier.

**- Other** The material may be utilized in molten form. Proper protective splash resistant clothing, thermal gloves, splash resistant shoes, and eye shields must be worn to prevent injury. Use molten material in well ventilated areas. When working in confined areas, use of appropriate respiratory gear is recommended.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. Respiratory protection should meet standard EN 14387.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures** When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls** Contain spills and prevent releases and observe national regulations on emissions.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Solid.
<b>Form</b>	Slabs, prills, pastilles or granules.
<b>Colour</b>	White to dark amber.
<b>Odour</b>	None.
<b>Odour threshold</b>	Not applicable.
<b>Melting point/freezing point</b>	$\geq 46 - \leq 95$ °C ( $\geq 114,8 - \leq 203$ °F)
<b>Boiling point or initial boiling point and boiling range</b>	$> 300$ °C ( $> 572$ °F)
<b>Flammability</b>	Will support a flame above flash point.
<b>Upper/lower flammability or explosive limits</b>	
<b>Explosive limit - lower ( %)</b>	0,9 % v/v
<b>Explosive limit – upper (%)</b>	7 % v/v
<b>Flash point</b>	$> 190$ °C ( $> 374$ °F) ASTM D-93
<b>Auto-ignition temperature</b>	Property has not been measured.
<b>Decomposition temperature</b>	Property has not been measured.
<b>pH</b>	Not applicable (material is insoluble in water).
<b>Kinematic viscosity</b>	Not applicable (the material is a solid).
<b>Solubility</b>	
<b>Solubility (water)</b>	$< 0,1$ % (20 °C (68 °F))
<b>Partition coefficient (n-octanol/water) (log value)</b>	Not applicable for mixtures.

Vapour pressure	< 0,01 mm Hg (25 °C (77 °F))
Density and/or relative density	
Relative density	>= 0,9 - <= 0,94 (Water=1) (25 °C (77 °F))
Vapour density	> 5 (Air = 1)
Particle characteristics	
Particle size	0,8 mm (granular form) median
<b>9.2. Other information</b>	
<b>9.2.1. Information with regard to physical hazard classes</b>	No relevant additional information available.
<b>9.2.2. Other safety characteristics</b>	
Evaporation rate	< 0,01 (Butyl acetate = 1)
Partition coefficient (oil/water)	< 0,01
Percent volatile	< 1 % v/v

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>10.5. Incompatible materials</b>	Strong oxidising agents.
<b>10.6. Hazardous decomposition products</b>	Decomposition of this product can generate carbon dioxide, carbon monoxide and other products such as aldehydes and ketones depending on conditions of oxidation.

## SECTION 11: Toxicological information

<b>General information</b>	Occupational exposure to the substance or mixture may cause adverse effects.
<b>Information on likely routes of exposure</b>	
<b>Inhalation</b>	Not relevant at normal room temperatures. When heated, irritating vapours may be formed. Wax fumes have been reported to be irritating to the respiratory tract, especially to sensitized persons.
<b>Skin contact</b>	Health injuries are not known or expected under normal use. Molten material will produce thermal burns.
<b>Eye contact</b>	Health injuries are not known or expected under normal use. Molten material will produce thermal burns.
<b>Ingestion</b>	Health injuries are not known or expected under normal use. Contact with hot material can cause thermal burns which may result in permanent damage.
<b>Symptoms</b>	Eye and skin contact: Contact with molten material may cause thermal burns.

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

<b>Acute toxicity</b>	Not expected to be acutely toxic.	
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Mineral oil (CAS Proprietary)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
<i>Aerosol</i>		
LC50	Rat	> 5 mg/l
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met. Thermal burn hazard - contact with hot material may cause thermal burns.	
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met. Direct contact of molten product to the eyes will cause thermal burns and eye injury.	
<b>Respiratory sensitisation</b>	Based on available data, the classification criteria are not met.	
<b>Skin sensitisation</b>	Based on available data, the classification criteria are not met.	
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.	

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)**

Mineral oil (CAS Proprietary)

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - single exposure** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Not likely, due to the form of the product.

**Mixture versus substance information** No information available.

#### 11.2. Information on other hazards

**Endocrine disrupting properties** This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

**Other information** Exposure to vapors, fumes, or smoke from molten material handled in confined areas can produce irritation of the respiratory tract, and possible physical discomfort to sensitive individuals.

## SECTION 12: Ecological information

**12.1. Toxicity** Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

Components	Species	Test Results
Mineral oil (CAS Proprietary)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	LL50 Invertebrates (Invertebrates)	100 mg/l
Fish	LL50 Fish	10 mg/l

**12.2. Persistence and degradability** No data is available on the degradability of this product.

**12.3. Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient n-octanol/water (log Kow)** Not applicable for mixtures.

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** The product is insoluble in water. Expected to have low mobility in soil.

**12.5. Results of PBT and vPvB assessment** This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

**12.6. Endocrine disrupting properties** This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

**12.7. Other adverse effects** No data available for this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Residual waste** Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**EU waste code** The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. 16 03 06

**Disposal methods/information** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Special precautions** Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### ADR

**14.1. UN number** Not regulated as dangerous goods.

**14.2. UN proper shipping name** Not regulated as dangerous goods.  
**14.3. Transport hazard class(es)**  
    **Class** Not assigned.  
    **Subsidiary risk** -  
    **Hazard No. (ADR)** Not assigned.  
    **Tunnel restriction code** Not assigned.  
**14.4. Packing group** Not assigned.  
**14.5. Environmental hazards** No.  
**14.6. Special precautions for user** Not assigned.

#### RID

**14.1. UN number** Not regulated as dangerous goods.  
**14.2. UN proper shipping name** Not regulated as dangerous goods.  
**14.3. Transport hazard class(es)**  
    **Class** Not assigned.  
    **Subsidiary risk** -  
**14.4. Packing group** Not assigned.  
**14.5. Environmental hazards** No.  
**14.6. Special precautions for user** Not assigned.

#### ADN

**14.1. UN number** Not regulated as dangerous goods.  
**14.2. UN proper shipping name** Not regulated as dangerous goods.  
**14.3. Transport hazard class(es)**  
    **Class** Not assigned.  
    **Subsidiary risk** -  
**14.4. Packing group** Not assigned.  
**14.5. Environmental hazards** No.  
**14.6. Special precautions for user** Not assigned.

#### IATA

**14.1. UN number** Not regulated as dangerous goods.  
**14.2. UN proper shipping name** Not regulated as dangerous goods.  
**14.3. Transport hazard class(es)**  
    **Class** Not assigned.  
    **Subsidiary risk** -  
**14.4. Packing group** Not assigned.  
**14.5. Environmental hazards** No.  
**14.6. Special precautions for user** Not assigned.

#### IMDG

**14.1. UN number** Not regulated as dangerous goods.  
**14.2. UN proper shipping name** Not regulated as dangerous goods.  
**14.3. Transport hazard class(es)**  
    **Class** Not assigned.  
    **Subsidiary risk** -  
**14.4. Packing group** Not assigned.  
**14.5. Environmental hazards**  
    **Marine pollutant** No.  
    **EmS** Not assigned.  
**14.6. Special precautions for user** Not assigned.  
**14.7. Maritime transport in bulk according to IMO instruments** Not applicable.

**General information** This product is not regulated as dangerous goods for solid. Shipped hot molten product requires a class 9 "HOT" with statement: Elevated temperature material, liquid, N.O.S. 9, UN3257, III (WAX).

## SECTION 15: Regulatory information

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

## EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

## Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

## Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Mineral oil (CAS Proprietary)

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Mineral oil (CAS Proprietary)

## Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Not listed.

## Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

## National regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

### List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstract Service.  
CEN: European Committee for Standardization.  
IATA: International Air Transport Association.  
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.  
IMDG: International Maritime Dangerous Goods.  
MARPOL: International Convention for the Prevention of Pollution from Ships.  
PBT: Persistent, bioaccumulative and toxic.  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.  
STEL: Short term exposure limit.  
TLV: Threshold Limit Value.  
TWA: Time Weighted Average.  
vPvB: Very persistent and very bioaccumulative.

### References

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices  
ECHA: European Chemical Agency.  
EPA: AQUIRE database  
HSDB® - Hazardous Substances Data Bank  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
NLM: Hazardous Substances Data Base

**Information on evaluation method leading to the classification of mixture**

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**Full text of any statements, which are not written out in full under sections 2 to 15**

None.

**Training information**

Follow training instructions when handling this material.

**Disclaimer**

This material safety data sheet is offered for your information only. We believe the statements, technical information and recommendations contained here in are reliable, but are given without warranty or guarantee of any kind, expressed or implied. THE INTERNATIONAL GROUP, INC. assumes no responsibility for any loss, damage or expense, direct or consequential, arising from the use of our material. It is the responsibility of the user to determine the suitability and completeness of such information for the required use or application. We do not assume any legal responsibility for nor do we give permission, inducement or recommendation to practice any patented invention without a license. Further, it is the user's obligation to utilize this material in full compliance with all health, safety and environmental regulations.

<b>PRODUCT NUMBER</b>	<b>PRODUCT NUMBER</b>	<b>PRODUCT NUMBER</b>
4507A	4638A	R-6767E
4509A	4639A	R-6785A
4524A	4640A	R-6785B
4525A	4641A	R-6787A
4526A	4642A	R-6787B
4527A	4644A	R-6787C
4528A	4645A	R-6787D
4530A	4648A	R-6787E
4531A	4661A	R-6787G
4532A	4665A	R-6787H
4533A	4666A	R-6787S
4534A	4666B	R-6791A
4537A	4670A	R-6815A
4537B	4673A	R-6815C
4538A	4675A	R-6815D
4539A	4679A	R-6828A
4540A	4680A	R-6857A
4543A	4683A	R-6857B
4544A	4684B	R-6868A
4545A	4685A	R-6882A
4546A	4686A	R-6899A
4547A	4686B	R-6901A
4548A	4689A	R-6910A
4548B	4690A	R-6913D
4549A	4691A	R-6913E
4553A	4692A	R-6948A
4567A	4692B	R-6953A
4572A	4695A	R-6972A
4580A	4697A	R-6972B
4602A	R-4921A	R-6972C
4603A	R-5310A	R-6972D
4604A	R-5856A	R-7015B
4605A	R-5903A	R-7015C
4606A	R-6010A	R-7025A
4607A	R-6085A	R-7054A
4608B	R-6085B	R-7064G
4609A	R-6085C	R-7070A
4609F	R-6085D	R-7103A
4610A	R-6090A	R-7144A
4614A	R-6301A	R-7165A
4616A	R-6325A	R-7241A
4619A	R-6351A	R-7241B
4620A	R-6409A	R-7241C
4624A	R-6416A	R-7250A
4625A	R-6416B	R-7278A
4627A	R-6430A	R-7278B
4627B	R-6495B	R-7278C
4628A	R-6523A	R-7278D
4628B	R-6523B	R-7282A
4628C	R-6532A	R-7289B
4629A	R-6542A	R-7295A
4630A	R-6572A	
4630B	R-6585B	
4630C	R-6585D	
4633A	R-6604A	
4635A	R-6672B	
4635B	R-6685A	
4636A	R-6721A	
4636C	R-6767C	
4636E	R-6767D	