



THE INTERNATIONAL GROUP, INC.

SAFETY DATA SHEET

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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 8500 - 8800 Series Products (Astorstat®)
Registration number -
Synonyms See page 12
SDS number 8500 - 8800 Series (935457)_Europe_English

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

Identified uses Thermostat.
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

Health hazards

Aspiration hazard Category 1

H304 - May be fatal if swallowed and enters airways.

2.2. Label elements

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

Contains: Eicosane, Heptadecane, Hexadecane, Nonadecane, Octadecane, Pentadecane, Tetradecane

Hazard pictograms



Signal word Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

Prevention Observe good industrial hygiene practices.

Response

P301 + P310
P331

IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
Do NOT induce vomiting.

Storage

P405

Store locked up.

Disposal

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental information on the label

EUH066 - Repeated exposure may cause skin dryness or cracking.

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

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Eicosane	0 - 100	112-95-8 204-018-1	-	-	
Classification: Asp. Tox. 1;H304					
Heptadecane	0 - 100	629-78-7 211-108-4	-	-	
Classification: Asp. Tox. 1;H304					
Hexadecane	0 - 100	544-76-3 208-878-9	-	-	
Classification: Asp. Tox. 1;H304					
Nonadecane	0 - 100	629-92-5 211-116-8	-	-	
Classification: Asp. Tox. 1;H304					
Octadecane	0 - 100	593-45-3 209-790-3	-	-	
Classification: Asp. Tox. 1;H304					
Pentadecane	0 - 100	629-62-9 211-098-1	-	-	
Classification: Asp. Tox. 1;H304					
Tetradecane	0 - 100	629-59-4 211-096-0	-	-	
Classification: Asp. Tox. 1;H304					

Composition comments

The full text for all H-statements is displayed in section 16.
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable 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

Inhalation

If fumes from heated product are inhaled: Move to fresh air. Call a POISON CENTRE or doctor/physician if you feel unwell.

Skin contact

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.

Eye contact

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.

Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Call a physician or poison control centre immediately. Contact with hot product may cause severe burns.
4.2. Most important symptoms and effects, both acute and delayed	Aspiration may cause pulmonary oedema and pneumonitis. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure. 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. Keep victim under observation. Symptoms may be delayed.

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 ₂).
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	Do not handle until all safety precautions have been read and understood. The material may be used as a hot liquid for application purposes and requires caution in 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. 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. Do not empty into drains. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store locked up. 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)	Thermostat. 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

Paraffin waxes and
Hydrocarbon waxes (CAS
8002-74-2)

Type

TWA

Value

2 mg/m³

Form

Fume.

Croatia. OELs (GVI). Regulation on Protection of Workers against Exposure to Dangerous Chemicals at Work, OELs and Biological Limit Values, Annex I (NN 91/2018), as amended

Components

Type

Value

Form

Paraffin waxes and
Hydrocarbon waxes (CAS
8002-74-2)

MAC

2 mg/m³

Fume.

STEL

6 mg/m³

Fume.

Denmark. Exposure Limit Values Components

Type

Value

Form

Paraffin waxes and
Hydrocarbon waxes (CAS
8002-74-2)

TLV

2 mg/m³

Fume.

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended

Components

Type

Value

Form

Paraffin waxes and
Hydrocarbon waxes (CAS
8002-74-2)

TWA

2 mg/m³

Vapour.

Finland. Workplace Exposure Limits

Components

Type

Value

Form

Paraffin waxes and
Hydrocarbon waxes (CAS
8002-74-2)

TWA

1 mg/m³

Fume.

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components

Type

Value

Form

Paraffin waxes and
Hydrocarbon waxes (CAS
8002-74-2)

VME

2 mg/m³

Fume.

Regulatory status: Indicative limit (VL)

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components

Type

Value

Pentadecane (CAS
629-62-9)

AGW

600 mg/m³

Tetradecane (CAS
629-59-4)

AGW

600 mg/m³

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

Components

Type

Value

Form

Paraffin waxes and
Hydrocarbon waxes (CAS
8002-74-2)

STEL

6 mg/m³

Fume.

TWA

2 mg/m³

Fume.

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

Components

Type

Value

Form

Paraffin waxes and
Hydrocarbon waxes (CAS
8002-74-2)

TWA

2 mg/m³

Fume.

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	STEL	6 mg/m3	Fume.
	TWA	2 mg/m3	Fume.

Italy. OELs

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	TWA	2 mg/m3	Fume.

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

Components	Type	Value	Form
Pentadecane (CAS 629-62-9)	STEL	500 mg/m3	
	TWA	350 mg/m3	
Tetradecane (CAS 629-59-4)	STEL	500 mg/m3	
	TWA	350 mg/m3	

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	TLV	2 mg/m3	Fume.
Pentadecane (CAS 629-62-9)	TLV	275 mg/m3	
		40 ppm	
Tetradecane (CAS 629-59-4)	TLV	275 mg/m3	
		40 ppm	

Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	TWA	2 mg/m3	Inhalable fraction.

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	TWA	2 mg/m3	Fume.

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	STEL	6 mg/m3	Fume.
	TWA	2 mg/m3	Fume.

Slovakia. OELs. Decree of the government of the Slovak Republic concerning protection of health in work with chemical agents

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	TWA	2 mg/m3	Fume.

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	STEL	6 mg/m3	Fume.

Spain. Occupational Exposure Limits

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	TWA	2 mg/m ³	Fume.

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

Components	Type	Value
Pentadecane (CAS 629-62-9)	STEL	500 mg/m ³
	TWA	350 mg/m ³
Tetradecane (CAS 629-59-4)	STEL	500 mg/m ³
	TWA	350 mg/m ³

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	TWA	2 mg/m ³	Respirable fume.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Paraffin waxes and Hydrocarbon waxes (CAS 8002-74-2)	STEL	6 mg/m ³	Fume.
	TWA	2 mg/m ³	Fume.

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.
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. When material is heated, wear gloves to protect against thermal burns. 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

Physical state	Liquid.
Form	Liquid to soft solid.
Colour	Clear or white.
Odour	None to slight petroleum odor.
Odour threshold	Property has not been measured.
Melting point/freezing point	$\geq 5,86 - \leq 68,3$ °C ($\geq 42,55 - \leq 154,94$ °F)
Boiling point or initial boiling point and boiling range	> 250 °C (> 482 °F)
Flammability	Will support a flame above flash point.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Property has not been measured.
Explosive limit – upper (%)	Property has not been measured.
Flash point	> 95 °C (> 203 °F) (ASTM D93)
Auto-ignition temperature	> 195 °C (> 383 °F)
Decomposition temperature	Property has not been measured.
pH	Not applicable (material is insoluble in water).
Kinematic viscosity	$\geq 2 - \leq 6$ cSt (100 °C (212 °F))
Solubility	
Solubility (water)	Insoluble in water.
Partition coefficient (n-octanol/water) (log value)	Not applicable for mixtures.
Vapour pressure	Property has not been measured.
Density and/or relative density	
Relative density	$\geq 0,7628 - \leq 0,9150$ (Water=1) (25 °C (77 °F))
Vapour density	> 5 (Air = 1)
Particle characteristics	
Particle size	Not applicable, material is a liquid.

9.2. Other information

9.2.1. Information with regard to physical hazard classes No relevant additional information available.

9.2.2. Other safety characteristics No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

10.5. Incompatible materials Strong oxidising agents.

10.6. Hazardous decomposition products 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

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation 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.

Skin contact Health injuries are not known or expected under normal use. Molten material will produce thermal burns.

Eye contact Health injuries are not known or expected under normal use. Molten material will produce thermal burns.

Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Contact with hot material can cause thermal burns which may result in permanent damage.
Symptoms	Aspiration may cause pulmonary oedema and pneumonitis. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure. 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

Acute toxicity	Not expected to be acutely toxic.
Skin corrosion/irritation	Based on available data, the classification criteria are not met. Thermal burn hazard - contact with hot material may cause thermal burns.
Serious eye damage/eye irritation	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.
Respiratory sensitisation	Based on available data, the classification criteria are not met.
Skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
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	May be fatal if swallowed and enters airways.
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. In rats, chronic ingestion of paraffins has shown accumulation in target organs (liver, spleen) with associated nonspecific immune response.

SECTION 12: Ecological information

12.1. Toxicity	Based on available data, the classification criteria are not met for hazardous to the aquatic environment.
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 05*

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

Not listed.

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

Not listed.

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.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

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.

MAC: Maximum Allowed Concentration.

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.
VME: Exposure Average Value.
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

H304 May be fatal if swallowed and enters airways.

Training information

Follow training instructions when handling this material.

Disclaimer

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**PRODUCT
NUMBER**

8632A
8633A
8634A
8634B
8635A
8636A
8637A
8657A
8663A
8689A
8699A
8709A
8732A
8769A
8771A
8778A
8778B
8778C
8781A
8802A
8803A
8803B
8804A
8806A
R-6578A
R-6579A
R-6621A
R-6631A
R-6678A
R-6718A
R-6733A
R-6790A