SAFETY DATA SHEET



Version #: 05

Issue date: 11-March-2015 Revision date: 06-October-2022 Supersedes date: 19-October-2021

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

1.1. Product identifier

Name of the substance 5000 Series Products (Microsere®)

Identification number264-038-1 (EC number)Registration number01-2119495561-32-0011

Synonyms See page 9

SDS number 5000 Series (921278) Europe English

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

Identified uses Various end uses e.g. pharmaceutical excipient, personal care/cosmetics, food contact coatings,

additive for wax blends, use in adhesives 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
 +1-(416)-293-4151

number

+1-(800)-561-3509

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The substance 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 substance 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 substance 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.

None.

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

Supplemental information on

the label

5000 Series SDS EU

921278 Version #: 05 Revision date: 06-October-2022 Issue date: 11-March-2015 1 / 9

2.3. Other hazards

This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII. The substance is not included in the list established in accordance with REACH Article 59(1) for having and axing distriction properties.

having endocrine disrupting properties.

The substance is not considered to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Microcrystalline wax	100	63231-60-7 264-038-1	01-2119495561-32-0011	-	
Classificat	ion: -				

Composition comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

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

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.

Skin contact

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

adhering material and treatment of burn.

Eye contact

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.

Ingestion

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.

Eye and skin contact: When heated, contact with molten product can cause injury and burns.

4.2. Most important symptoms and effects, both acute and delayed

Provide general supportive measures and treat symptomatically.

4.3. Indication of any immediate medical attention and special treatment needed

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 (CO2).

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.

5000 Series SDS EU 921278 Version #: 05 Revision date: 06-October-2022 Issue date: 11-March-2015 2 / 9

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. Scrape up the spilled material. Clean surface thoroughly to remove residual contamination.

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. pharmaceutical excipient, personal care/cosmetics, food contact coatings, additive for wax blends, use in adhesives etc. Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No exposure limits noted for ingredient(s). Occupational exposure limits

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

Personal protection equipment should be chosen according to the CEN standards and in **General information**

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.

SDS EU 5000 Series 921278 Version #: 05 Revision date: 06-October-2022 Issue date: 11-March-2015

- 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.

If engineering controls do not maintain airborne concentrations below recommended exposure Respiratory protection

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.

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such Hygiene measures

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

Solid. Physical state

Slabs, prills, pastilles or granules. Form

Colour White to dark amber.

Odour None to slight petroleum odor. **Odour threshold** Property has not been measured. >= 60 - <= 95 °C (>= 140 - <= 203 °F) Melting point/freezing point

Boiling point or initial boiling

point and boiling range

> 300 °C (> 572 °F)

Flammability Will support a flame above flash point.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) 0,9 % 7 % Explosive limit - upper

(%)

> 200 °C (> 392 °F) ASTM D-92 Flash point **Auto-ignition temperature** Property has not been measured. **Decomposition temperature** Property has not been measured.

Not applicable (material is insoluble in water).

Not applicable (the material is a solid). Kinematic viscosity

Solubility

< 0,1 % (20 °C (68 °F)) Solubility (water)

Partition coefficient Not applicable (material is insoluble in water).

(n-octanol/water) (log value)

< 0,01 mm Hg (25 °C (77 °F)) Vapour pressure

Density and/or relative density

>= 0,91 - <= 0,94 (Water=1) (25 °C (77 °F)) Relative density

> 5 (Air = 1)Vapour density

Particle characteristics

0,8 mm (granular form) median Particle size

9.2. Other information

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

9.2.2. Other safety characteristics

< 0,01 (Butyl acetate = 1) **Evaporation rate**

Partition coefficient < 0.01

(oil/water)

Percent volatile Negligible

SECTION 10: Stability and reactivity

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

Material is stable under normal conditions. 10.2. Chemical stability

SDS EU 5000 Series 921278 Version #: 05 Revision date: 06-October-2022 Issue date: 11-March-2015

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use. Hazardous polymerisation does not

10.4. Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous

Decomposition of this product can generate carbon dioxide, carbon monoxide and other products

decomposition 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

Not relevant at normal room temperatures. When heated, irritating vapours may be formed. Wax Inhalation

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

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

burns

Health injuries are not known or expected under normal use. Contact with hot material can cause Ingestion

thermal burns which may result in permanent damage.

Eye and skin contact: Contact with molten material may cause thermal burns. **Symptoms**

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

Acute toxicity Not expected to be acutely toxic.

Based on available data, the classification criteria are not met. Skin corrosion/irritation

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

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

The product is a substance.

11.2. Information on other hazards

Endocrine disrupting

properties

This substance does not have endocrine disrupting properties with respect to human health, as it does not meet the assessment criteria laid out in Regulations (EC) No 1907/2006, (EU) No

2017/2100 and (EU) 2018/605.

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.

12.2. Persistence and

degradability

No data is available on the degradability of this substance.

12.3. Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient n-octanol/water (log Kow) Not applicable (material is insoluble in water).

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

properties

This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII.

12.6. Endocrine disrupting

This substance does not have endocrine disrupting properties with respect to the environment, as it does not meet the assessment criteria laid out in Regulations (EC) No 1907/2006, (EU) No

2017/2100 and (EU) 2018/605.

SDS EU 5000 Series 921278 Version #: 05 Revision date: 06-October-2022 Issue date: 11-March-2015 5/9

12.7. Other adverse effectsNo 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 numberNot regulated as dangerous goods. **14.2. UN proper shipping**Not regulated as dangerous goods.

name

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 Not assigned.

for user

RID

14.1. UN numberNot regulated as dangerous goods. **14.2. UN proper shipping**Not regulated as dangerous goods.

name

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 Not assigned.

for user

ADN

14.1. UN numberNot regulated as dangerous goods. **14.2. UN proper shipping**Not regulated as dangerous goods.

name

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 Not assigned.

for user

IATA

14.1. UN number Not regulated as dangerous goods.14.2. UN proper shipping Not regulated as dangerous goods.

name

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 Not assigned.

for user

IMDG

14.1. UN number Not regulated as dangerous goods.

 5000 Series
 SDS EU

 921278
 Version #: 05
 Revision date: 06-October-2022
 Issue date: 11-March-2015
 6 / 9

14.2. UN proper shipping 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 Not assigned.

for user

General information

14.7. Maritime transport in bulk Not applicable.

according to IMO instruments

This product is not regulated as dangerous goods for solid and molten product shipped under 212

°F/100 °C. Hot molten product shipped over 212 °F/100 °C 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

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

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

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

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

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.

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Other regulations

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

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

5000 Series 921278 Version #: 05 Revision date: 06-October-2022 Issue date: 11-March-2015 7/9

SDS EU

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.

vPvB: Very persistent and very bioaccumulative.

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

References

Not applicable. The product is a substance.

Full text of any statements, which are not written out in full under sections 2 to 15 None.

Training information Disclaimer

Follow training instructions when handling this material.

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.

5000 Series SDS EU
921278 Version #: 05 Revision date: 06-October-2022 Issue date: 11-March-2015 8 / 9

PRODUCT NUMBER	PRODUCT NUMBER	PRODUCT NUMBER
5701A	5818A	R-6698A
5701B	5818B	R-6793A
5701F	5818F	R-6800A
5701N	5818U	R-6800B
5701W	5819A	R-6821A
5702A	5819U	R-6825A
5704A	5821A	R-6849A
5706A	5826A	R-6870A
5707A	5827A	R-6874A
5708A	5827F	R-7032B
5709A	5829A	R-7071A
5714A	5830A	R-7071B
5714C	5850A	R-7185A
5714D 5714T	5866A 5871A	
5714U	5871F	
5715A	5875A	
5715B	5889A	
5715C	5890A	
5715D	5896A	
5718A	5897A	
5720A	5897F	
5725A	5905A	
5726A	5906A	
5729A	5909A	
5731A	5909B	
5732A	5909C	
5732F	5909F	
5737A	5910A	
5738A	5910B	
5739A	5910C	
5740A	5910D	
5740U	5910F	
5742A	5913A	
5743A	5913F	
5749B	5914A	
5760A	5919A	
5760N	5920A	
5760S	5920B	
5760U	5981A	
5765A 5788A	5981W 5990A	
5788F	5990A 5990B	
5788P	5992A	
5788U	5999A	
5790A	R-3301A	
5798A	R-3441A	
5799A	R-4496A	
5799N	R-4922A	
5801A	R-5024B	
5802A	R-5729C	
5803C	R-6029A	
5805A	R-6060A	
5806A	R-6159A	
5806C	R-6363A	
5806D	R-6363B	
5806F	R-6363C	
5812A	R-6363D	
5816A	R-6363E	
5816B	R-6363F	1

 5000 Series
 SDS EU

 921278
 Version #: 05
 Revision date: 06-October-2022
 Issue date: 11-March-2015
 9 / 9