



Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name: PAS-5184

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

Recommended Use(s): Industrial use only

Non-Recommended / Restricted Use(s): None

Details of the supplier of the safety data sheet

Manufacturer: Adfast
2685 Diab
Saint-Laurent Quebec H4S 1E7
Canada

Email: servicemtl@adfastcorp.com

Url: <http://www.adfastcorp.com>

Emergency telephone number

Emergency Contact: Emergency Spills (CHEMTREC): (800)424-9300
Emergency Spills (CANUTEC): (613)996-6666

Section 2. Hazards identification

Classification of the substance or mixture

GHS Classification for mixture:

Hazardous to the aquatic environment, long-term (Chronic) - Category 3
Skin sensitization - Category 1

Label elements

Pictograms:



Signal Words:

Warning

Hazard Statements:

May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.

Precautionary Statements:**Prevention**

Avoid breathing mist, spray, vapors.
 Contaminated work clothing should not be allowed out of the workplace.
 Avoid release to the environment.
 Wear protective gloves, eye protection.

Response

If skin irritation or rash occurs: Get medical attention / advice.
 IF ON SKIN: Wash with plenty of Water.
 Take off contaminated clothing. And wash it before reuse.

Disposal

Dispose of contents accordance with local and federal regulations.

Other hazards**Section 3. Composition/information on ingredients****Substances**

Identifiers	Ingredients	Percentage	Classification
136210-32-7	Aspartic ester	60% to 100%	
623-91-6	Diethylfumarate	1% to 5%	

Section 4. First-Aid Measures**Description of First Aid Measures****In the event of splashes or contact with eyes**

Product has no known eye hazards. Wash eyes with plenty of water. Remove the contact lenses if worn and easy to do that. Hold eyelids open to ensure adequate flushing. Continue rinsing.

In the event of splashes or contact with skin

If redness or other symptoms persist, seek medical advice / attention. Take off all contaminated clothing and wash it before reuse.

In the event of ingestion

Product has no known ingestion hazards. DO NOT INDUCE VOMITING. If after ingestion you feel unwell, seek medical advice. Rinse the mouth with water. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

In the event of inhalation

Product has no known inhalation hazards. Remove person to fresh air and keep at rest in a position comfortable for breathing. If after inhalation you feel unwell, seek medical advice.

Most important symptoms and effects, both acute and delayed**Indication of any immediate medical attention and special treatment needed****Section 5. Firefighting Measures****Extinguishing media****Suitable Extinguishing Media**

The suggested appropriate media: Carbon dioxide. Dry chemical. Foam. Water spray.

Special hazards arising from the substance or mixture

Combustion Products

Oxides of carbon (CO_x).

Advice for firefighters

Protective Measures for Fire-Fighting

Wear full protective clothing. Wear self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Ventilate area of leak or spill. No special recommendations to deal with the potential exposure of the spill.

Environmental precautions

Dike area to prevent runoff and contamination of water sources. Dispose the material in accordance with the government regulation. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc).

Methods and material for containment and cleaning up

Large spills: If possible, dike the area to prevent spreading.

Absorb with earth, sand, or other non-combustible material. Collect and transfer to a closable container without splash or generating dust / mist for disposal by an appropriate method.

Reference to other sections

Section 7. Handling and Storage

Precautions for safe handling

Handle in accordance with all current regulations and standards. Handle in accordance with good industrial hygiene and safety practice. Wash any exposed area of body thoroughly after handling. Avoid breathing gas / mist / dust / fume / vapor / spray / particles.

Conditions for safe storage, including any incompatibilities

Conditions for Safe Storage

Storage temperature: 10-30°C.

Specific end use(s)

Section 8. Exposure Controls / Personal Protection

Control parameters

Control Parameters / Limits for Product

Not established for the product or its ingredients.

Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation.

Eye/Face Protection

Wear safety goggles.

Hand Protection

Wear appropriate chemical resistant gloves.

Environmental exposure controls

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	Slight
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	115°C / 239°F
Flash Point	108°C / 226.4°F
Evaporation rate w/r/t ether	Not available
Evaporation rate w/r/t butyl acetate	Not available
Flammability	Not available
Flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density w/r/t water	Not available
Relative density w/r/t air	Not available
Solubility	Insoluble
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available

Other Information

Section 10. Chemical Stability & Reactivity Information

Reactivity

Chemical stability: This product is stable under ambient condition.

Reactivity: The product is known to be non-reactive in ambient conditions.

Chemical Stability

Possibility of Hazardous Reactions

Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid

Incompatible Materials

Avoid contact or storage with: Strong acids. Isocyanates. Active metals.

Hazardous Decomposition Products

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Product

Routes of exposure: Eyes. Ingestion. Skin.

Skin sensitization: This product is sensitizing.

No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, OSHA, or the NTP.

Toxicological Information for Component

Aspartic ester

LD 50 Oral >2000 mg/kg, Rat.

LC 50 Inhalation >4224 mg/l(4h).

Section 12. Ecological Information

Toxicity

Ecotoxicity Values for Product

LC50: 100 mg/l(96h), Zebra fish. 100 mg/l(96h), Water flea.

Section 13. Disposal Considerations

Waste treatment methods

Waste Disposal Regulation(s) / Operation

Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of national pollutant discharge elimination systems. The generation of waste should be avoided or minimized wherever possible. Whenever possible, reuse containers. To do this, rinse container with water and reuse water for another iteration or treat effluent as product residue as indicated in above.

Section 14. Transportation Information

	ADR	IMDG	IATA	DOT
UN number				
UN proper shipping name				
Transport hazard class(es)				
Packing group				
Environmental hazards				

	ADR	IMDG	IATA	DOT
Special precautions for user				
Transport in bulk according to Annex II of Marpol and the IBC Code				
Other	This product is not regulated for transport			

Section 15. Regulatory Information

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

Safety, Health and Environmental Regulations for Product

TSCA: All components are listed on or are exempt from listing on the Toxic Substances Control Act.

DSL: Present.

Chemical safety assessment

Section 16. Other Information

Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.