



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

Product identifier

Product Name: 8399

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

Recommended Use(s): Spray-grade, Industrial contact adhesive

Details of the supplier of the safety data sheet

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

Email: servicentl@adfastcorp.com

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

Emergency telephone number

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

Section 2. Hazards identification

Classification of the substance or mixture

GHS Classification for mixture:

Aspiration Hazard - Category 1
Specific target organ toxicity - single exposure - Category 3 (Respiratory)
Reproductive toxicity - Category 2
Serious eye irritation - Category 2A
Skin irritation - Category 2
Flammable Liquids - Category 2

Label elements

Pictograms:



Signal Words:

Danger

Hazard Statements:

Highly flammable liquid and vapour.
 May be fatal if swallowed and enters airways.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause respiratory irritation.
 Suspected of damaging fertility or the unborn child. Route(s) of exposure: Unknown. Specific effect(s): Unknown.

Precautionary Statements:

Prevention

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Keep container tightly closed.
 Keep cool.
 Ground and bond container and receiving equipment.
 Use explosion-proof electrical, ventilating, lighting equipment.
 Use non-sparking tools.
 Take action to prevent static discharges.
 Avoid breathing dust, fume, gas, mist, vapors, spray.
 Wash exposed area thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves, protective clothing, eye protection, face protection.

Response

IF SWALLOWED: Immediately call a POISON CENTER, doctor.
 Call a POISON CENTER, doctor if you feel unwell.
 If exposed or concerned: Get medical attention / advice.
 If eye irritation persists: Get medical attention / advice.
 If skin irritation occurs: Get medical attention / advice.
 Do NOT induce vomiting.
 If eye irritation persists: seek medical attention/advice.
 IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.
 IF IN EYES: Rinse cautiously with water for several minutes.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF ON SKIN: Wash with plenty of water.
 IF ON SKIN (or hair): Rinse skin with water or shower
 IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse.
 In case of fire: Use Carbon dioxide. Dry chemical. Foam. Water spray to extinguish.

Storage

Store in a well-ventilated place.
 Store locked up.

Disposal

Dispose of contents in accordance with all local, regional, national and international regulations.

Section 3. Composition/information on ingredients

Substances

No available data for this section.

Mixtures

Identifiers	Ingredients	Percentage	Classification
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Identifiers	Ingredients	Percentage	Classification
110-54-3	n-Hexane	30% to 50%	Asp. Tox. 1, Flam. Liq. 2, Repr. 2, Aquatic Chronic 2
67-64-1	Acetone	20% to 40%	STOT SE 3 (Narcotic), STOT RE 2, Flam. Liq. 2, Eye Irr. 2
108-88-3	Toluene	10% to 30%	STOT RE 2, Asp. Tox. 1, STOT SE 3, Flam. Liq. 2, Repr. 2, Skin Irr. 2

Section 4. First-Aid Measures

Description of First Aid Measures

In the event of splashes or contact with eyes

Continue rinsing. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Seek medical attention if irritation, redness, or any other symptom develops. Wash eyes with plenty of water.

In the event of splashes or contact with skin

Take off all contaminated clothing and wash it before reuse. Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical advice / attention.

In the event of ingestion

DO NOT INDUCE VOMITING. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. In case of ingestion of large quantities immediately take the exposed person to hospital. If the exposed person is drowsy or unconscious, do not give anything by mouth. Monitor for breathing difficulties. Rinse the mouth with water. Immediately call a poison center, doctor, or medical service. Show safety data sheet to the doctor in attendance.

In the event of inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing. Loosen tight clothing such as a collar, tie, belt, or waistband. If the exposed person is not breathing, provide artificial respiration. It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious, or corrosive. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. If after inhalation you feel unwell, seek medical advice.

Most important symptoms and effects, both acute and delayed

No available data for this section.

Indication of any immediate medical attention and special treatment needed

No available data for this section.

Section 5. Firefighting Measures

Extinguishing media

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

No available data for this section.

Special hazards arising from the substance or mixture

Specific Hazards Arising from Combustion of Products

Fire / decomposition hazards: A mixture of flammable gases and vapors. Gas, vapors, or dust are irritating to skin and eyes. Gas, vapors, or dust can be harmful. Gas, vapors, or dust may cause respiratory irritation.

Combustion Products

Carbon dioxide (CO₂). Carbon monoxide (CO).

Advice for firefighters

Protective Measures for Fire-Fighting

No available data for this section.

Special Protective Actions for Fire-Fighters

No available data for this section.

Other Information for Fire Fighters

No available data for this section.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Eliminate all sources of heat and ignition. Evacuate the people from the area. Ventilate area of leak or spill. Wear appropriate chemical resistant gloves.

Environmental precautions

Dispose of the material in accordance with government regulations. Dispose of via a licensed waste disposal contractor. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). Notify the competent local authorities of any large scale spill. Prevent contamination of soil and surface water. Prevent entry into basements or confined areas.

Methods and material for containment and cleaning up

Large spills: Evacuate the area. 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. Collect liquid with EXPLOSION PROOF pumps. Ensure cleanup is conducted by trained personnel only. Move containers from spill area if there is no risk. Stop leak if safe to do so.

Reference to other sections

No available data for this section.

Section 7. Handling and Storage

Precautions for safe handling

Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Do not eat, drink or smoke during handling. Do not handle in a confined space. Do not handle until all safety precautions have been read and understood. Ensure proper electrical grounding procedures are in place. Ensure there is sufficient ventilation of the area. Handle in accordance with all current regulations and standards. Handle in accordance with good industrial hygiene and safety practice. If needed, only use non-sparking tools in the storage area while handling. Keep away from direct sunlight. Keep container tightly closed. No smoking or open flame in storage, use, or handling areas. Protect against physical damage. Take action to prevent static discharges. Use explosion proof electrical equipment. Wash any exposed area of body thoroughly after handling. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Conditions for Safe Storage

Keep away from: Direct sunlight. Electrical equipment. Fire. Heat. Open flame. Sparks. Static electricity.

Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. If needed, only use non-sparking tools in the storage area. Keep container closed when not in use. Store in accordance with all current regulations and standards. Store in an assigned and marked "Flammables area". Store in totally enclosed equipment designed to avoid ignition and human contact. Store only in well-ventilated areas. Take action to prevent static discharges. Tanks must be grounded, vented, and should have vapor emission controls. Use explosion-proof electrical/ventilating/lighting equipment. Do not cut, weld or grind on or near containers.

Suitable Packaging

No available data for this section.

Incompatible Materials

No available data for this section.

Specific end use(s)

No available data for this section.

Section 8. Exposure Controls / Personal Protection

Control parameters

Control Parameters / Limits for Product

No available data for this section.

Control Parameters / Limits for Component

Acetone

NIOSH REL	TWA 250 ppm(10h). TWA 590 mg/m ³ (10h).
OSHA PEL	TWA 1000 ppm(8h). TWA 1800 mg/m ³ (8h). STEL 1000 ppm(15min). STEL 2400 mg/m ³ (15min).
ACGIH TLV	TWA 500 ppm(8h). TWA 1188 mg/m ³ (8h). STEL 750 ppm (15min). STEL 1782 mg/m ³ (15min).

n-Hexane

ACGIH	
STEL	1000 ppm
TWA	50 ppm
OSHA	
STEL	3600 mg/m ³ 1000 ppm
TWA	50 ppm 180 mg/m ³

Toluene

ACGIH	
TLV	20 ppm TWA
OSHA	
STEL	560 mg/m ³ 150 ppm
TWA	375 mg/m ³ 100 ppm

Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation. Respect the occupational health and safety standards. Safety showers and eye wash stations should be easily accessible to areas where product is stored, handled or used. Take action to prevent static discharges.

Respiratory Protection

Certified self-contained breathing apparatus must be available in case of emergency. Respiratory protection is required if the concentrations exceed the TLV.

Eye/Face Protection

Wear chemical goggles or face shield.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

Wear impermeable gloves.

Hygiene Measures

No available data for this section.

Environmental exposure controls

No available data for this section.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Tan
Odor	Solvent
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	Not available
Flash Point	-20°C / -4°F
Evaporation rate	Lesser than 1 multiplier w/r/t ether Greater than 1 multiplier w/r/t butyl acetate
Flammability	Not available
Flammability limit	Not available
Vapor pressure	Not available

Vapor density	heavier than air
Relative density	0.79 multiplier w/r/t water
Solubility	Insoluble
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	150 to 250 D-cP
Freezing point	Not available
Explosion limit (upper)	12 %vol
Explosion limit (lower)	1 %vol

Other Information

No available data for this section.

Section 10. Chemical Stability & Reactivity Information

Reactivity

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

Chemical Stability

Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid

Keep away from: Direct sunlight. Electrical equipment. Fire. Heat. Open flame. Sparks. Static electricity.

Incompatible Materials

Avoid contact or storage with: Strong oxidizers.

Hazardous Decomposition Products

Decomposition will Result in Production of: Carbon dioxide (CO₂). Carbon monoxide (CO).

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Product

No available data for this section.

Toxicological Information for Component

Acetone

LC50 Inhalation	30000 ppmV Rat.
LD50 Dermal	Greater than 16000 mg/kg.
LD50 Oral	5800 mg/kg Rat.

n-Hexane

LC50 Inhalation 150000 mg/m³ (2 hours) Mouse.
48000 ppm (4 hours) Rat.
627000 mg/m³ (3 minutes).

LD50 Oral 25000 mg/kg Rat.

Toluene

LD50 Dermal 12000 to 14000 mg/kg Central nervous system.

LD50 Oral Greater than 7000 mg/kg Central nervous system.

Irritation/Corrosion Information for Product

No available data for this section.

Irritation/Corrosion Information for Component

Acetone

Eyes: 186300 ppm Mild irritant, Human.

Section 12. Ecological Information

Toxicity

Ecotoxicity Values for Product

Ecotoxicity: No ecotoxicity values specified for product.

Ecotoxicity Values for Component

Acetone

LC50 Environmental 7400 mg/l (96h) *Oncorhynchus mykiss*.
15800 mg/l (48h) *Daphnia magna*.

Persistence and degradability

No available data for this section.

Bioaccumulative potential

Bioaccumulative Potential for Product

No available data for this section.

Bioaccumulative Potential for Component

Acetone

BCF: 0.65.
LogPow: 0.24.

Mobility in soil

No available data for this section.

Results of PBT and vPvB assessment

No available data for this section.

Other adverse effects

No available data for this section.

Section 13. Disposal Considerations

Waste treatment methods

Waste Disposal Regulation(s) / Operation

Container Disposal: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not cut, weld or grind on or near containers.

Destroy by incineration at an approved facility. Dried material only may be land filled. Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Users need to pay attention to the possible existence of regional or national regulations regarding disposal.

Waste Treatment Methods

No available data for this section.

Section 14. Transportation Information				
	ADR	IMDG	IATA	DOT
UN number	1133	1133	1133	No available data for this section.
UN proper shipping name	ADHESIVES	ADHESIVES	ADHESIVES	ADHESIVES
Transport hazard class(es)	3	3	3	No available data for this section.
Packing group	II	II	II	No available data for this section.
Environmental hazards	No available data for this section.	No available data for this section.	No available data for this section.	No available data for this section.
Special precautions for user	No available data for this section.			
Transport in bulk according to Annex II of Marpol and the IBC Code	No available data for this section.			
Other	In 45 gallon drums, based on TDG 1.33 and CFR 49 - 173.150, this product is exempt from hazardous labelling and truck placard			

Section 15. Regulatory Information

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

Safety, Health and Environmental Regulations for Product

CEPA DSL/NDSL: All components are listed on or are exempt from listing on the Domestic Substances List.

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

Safety, Health and Environmental Regulations for Component

Acetone

CERCLA reportable quantity: 2270 kg.

Right to know: California.
Massachusetts.
Minnesota.
New Jersey.
Pennsylvania.
Rhode Island.

SARA 311/312:

Fire hazard.

Immediate (acute) health hazard.

Chronic health hazard.

Chemical safety assessment

No available data for this section.

Section 16. Other Information

Other Information

No available data for this section.

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

Glossary

No available data for this section.