



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

### Product identifier

**Product Name:** 8388-1

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

**Recommended Use(s):** Adhesive solvent based

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

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

**Email:** servicemtl@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:

Specific target organ toxicity - single exposure - Category 3 (Narcotic)  
Aspiration Hazard - Category 1  
Specific target organ toxicity - repeated exposure - Category 2  
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 drowsiness or dizziness.  
Suspected of damaging fertility or the unborn child  
Route(s) of exposure: Unknown. Specific effect(s): Unborn child.

May cause damage to organs through prolonged or repeated exposure Route(s) of exposure: Unknown. Affected organ(s): Unknown.

### Precautionary Statements:

#### Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep container tightly closed.  
Keep cool.  
Use explosion-proof electrical, ventilating, lighting equipment.  
Use non-sparking tools.  
Take action to prevent static discharges.  
Do not breathe fume, gas, mist, vapors, spray.  
Avoid breathing 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.

#### Response

Immediately call a doctor.  
IF SWALLOWED: Immediately call a POISON CENTER.  
Call a 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.  
Get medical attention / advice if you feel unwell  
Do NOT induce vomiting.  
If eye irritation persists seek medical advice.  
IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes.  
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.  
Take off contaminated clothing. And wash it before reuse.  
In case of fire: Use dry chemical, CO<sub>2</sub>, water spray, or foam 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 Dispose of container in accordance with all local, regional, national and international regulations.

### Other hazards

No available data for this section.

## Section 3. Composition/information on ingredients

### Substances

No available data for this section.

### Mixtures

Identifiers	Ingredients	Percentage	Classification
67-64-1	Acetone	25% - 50%	Flam. Liq. 2, Eye Irr. 2, STOT RE 2, STOT SE 3 (Narcotic), H225, H319, H336, H373
110-54-3	n-Hexane	25% - 50%	Flam. Liq. 2, Repr. 2, Asp. Tox. 1, Aquatic Chronic 2, H225, H304, H361, H411
108-88-3	Toluene	10% - 25%	Flam. Liq. 2, Skin Irr. 2, Repr. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, H225, H304, H315, H335, H361, H373

## Section 4. First-Aid Measures

### Description of First Aid Measures

#### In the event of splashes or contact with eyes

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

### 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. If you feel unwell, call a poison center, doctor, or medical service.

### In the event of ingestion

Immediately call a poison center, doctor, or medical service. DO NOT INDUCE VOMITING. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. Monitor for breathing difficulties. If the exposed person is drowsy or unconscious, do not give anything by mouth. Loosen tight clothing such as a collar, tie, belt or waistband. Rinse the mouth with water. 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. 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

**Eye contact:** eye irritation.

**Skin contact:** Causes skin irritation.

**Inhalation:** Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

**Ingestion:** Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

## Indication of any immediate medical attention and special treatment needed

**Eye contact:** Redness. Pain or irritation. Tearing.

**Skin contact:** Irritation. Redness. Reduced fetal weight. Increase in fetal deaths. Skeletal malformations.

**Inhalation:** Nausea. Vomiting. Headache. Drowsiness. Fatigue. Dizziness. Vertigo. Unconsciousness. Reduced fetal weight. Increase in fetal deaths. Skeletal malformations.

**Ingestion:** Nausea. Vomiting. Reduced fetal weight. Increase in fetal deaths. Skeletal malformations.

## Section 5. Firefighting Measures

### Extinguishing media

#### Suitable Extinguishing Media

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

#### Unsuitable Extinguishing Media

**Inappropriate media:** Water spray.

### Special hazards arising from the substance or mixture

#### Specific Hazards Arising from Combustion of Products

**Indirect fire hazard:** Tanks in fire may explode.

**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 drowsiness or dizziness.

#### Combustion Products

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Halogens.

### Advice for firefighters

#### Protective Measures for Fire-Fighting

Wear full protective clothing. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus.

#### Special Protective Actions for Fire-Fighters

After fire, flush area with water to prevent re-ignition. Always stay away from tanks engulfed in fire. Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Do not allow run-off from fire fighting to enter drains or water courses. Do not scatter the product. Evacuate the people from the area. Isolate hazard area and deny entry. Dike area to prevent runoff and contamination of water sources. Move containers from the fire area if it is possible to do so without risk to personnel.

#### Other Information for Fire Fighters

**Flammability:** Highly Flammable liquid and vapor.

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Eliminate all sources of heat and ignition. Immediately evacuate people from the area. Isolate and restrict access to area until completion of cleanup. Keep bystanders upwind and away from danger point. Use explosion-proof electrical/ventilating/lighting equipment. Ventilate area with explosion-proof equipment ONLY. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes. Wear self-contained breathing apparatus or airline.

### Environmental precautions

Dike area to prevent runoff and contamination of water sources. 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). If the product has entered a water course or sewer or contaminated soil or vegetation, advise the local emergency services and environmental authorities.

### 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. Turn leaking containers leak-side up to prevent the escape of liquid.

### Reference to other sections

No available data for this section.

## Section 7. Handling and Storage

### Precautions for safe handling

Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Avoid contact with eyes. Avoid direct contact with the substance (solid / liquid / vapor). Check container for defect or leakage before handling. 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. Handle in original packaging. 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. Report immediately if physical damage, leakage, or spillage occurs. 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. Never handle if pregnant.

### 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.

Avoid storage with incompatible materials. Have appropriate fire extinguishers and spill clean-up equipment in or near 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". Take action to prevent static discharges. Tanks must be diked. Tanks must be grounded, vented, and should have vapor emission controls. Use explosion-proof electrical/ventilating/lighting equipment. Ventilate area with explosion-proof equipment ONLY.

#### Suitable Packaging

Store in original container / packaging.

#### Incompatible Materials

Oxidizing agents.

#### Specific end use(s)

Adhesive, solvent based.

## 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 <sup>3</sup> (10h).
OSHA PEL	TWA 1000 ppm(8h). TWA 1800 mg/m <sup>3</sup> (8h). STEL 1000 ppm(15min). STEL 2400 mg/m <sup>3</sup> (15min).
ACGIH TLV	TWA 500 ppm(8h). TWA 1188 mg/m <sup>3</sup> (8h). STEL 750 ppm (15min). STEL 1782 mg/m <sup>3</sup> (15min).

## n-Hexane

<b>ACGIH</b>	
<b>STEL</b>	1000 ppm
<b>TWA</b>	50 ppm
<b>OSHA</b>	
<b>STEL</b>	3600 mg/m <sup>3</sup> 1000 ppm
<b>TWA</b>	50 ppm 180 mg/m <sup>3</sup>

## Toluene

<b>ACGIH</b>	
<b>TLV</b>	20 ppm TWA
<b>OSHA</b>	
<b>STEL</b>	560 mg/m <sup>3</sup> 150 ppm
<b>TWA</b>	375 mg/m <sup>3</sup> 100 ppm

**Exposure controls****Engineering Measures**

Eye wash stations should be easily accessible to areas where product is stored, handled, or used. Provide adequate general and local exhaust ventilation.

**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**

Ensure eye bath is at hand. Wear safety goggles.

**Skin and Body Protection**

Wear appropriate chemical resistant clothing.

**Hand Protection**

Ensure gloves are certified. Wear impermeable gloves. Butyl rubber gloves.

**Hygiene Measures**

Avoid contact during pregnancy or while nursing. Contaminated work clothing should not be allowed out of the workplace. Use in accordance with good hygiene and safety practice. Keep away from food or drink. Wash Hands thoroughly after handling.

**Environmental exposure controls**

No available data for this section.

**Section 9. Physical and chemical properties****Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid
<b>Appearance</b>	Red or Tan color
<b>Odor</b>	Ketone
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting point</b>	Not available
<b>Boiling point</b>	Greater than 56°C / 132.8°F
<b>Flash Point</b>	-18°C / -0.4°F
<b>Evaporation rate</b>	Not available
<b>Flammability</b>	Not available
<b>Flammability limit</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility</b>	Not available
<b>Solubility in other solvents</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Freezing point</b>	Not available
<b>VOC content</b>	5.46 lb/gal
<b>Evaporation rate w/r/t ether</b>	Not available
<b>Evaporation rate w/r/t butyl acetate</b>	Not available
<b>Relative density w/r/t water</b>	0.8
<b>Relative density w/r/t air</b>	Not available

## Other Information

No available data for this section.

## Section 10. Chemical Stability & Reactivity Information

### Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### Chemical Stability

This product is stable under ambient condition.

### 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

Oxidizing agents.

### Hazardous Decomposition Products

Hazardous polymerization does not occur.

## Section 11. Toxicological Information

### Information on toxicological effects

#### Toxicological Information for Product

No available data for this section.

**Toxicological Information for Component**

## Acetone

<b>LC50 Inhalation - Not Specified</b>	30000 ppmV Rat.
<b>LD50 Dermal</b>	Greater than 16000 mg/kg.
<b>LD50 Oral</b>	5800 mg/kg Rat.

## n-Hexane

<b>LC50 Inhalation - Not Specified</b>	150000 mg/m <sup>3</sup> Mouse. 48000 ppm Rat. 627000 mg/m <sup>3</sup> .
<b>LD50 Oral</b>	25000 mg/kg Rat.

## Toluene

<b>LD50 Dermal</b>	12000 to 14000 mg/kg Central nervous system.
<b>LD50 Oral</b>	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.

<b>Section 12. Ecological Information</b>
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**Toxicity****Ecotoxicity Values for Product**

No available data for this section.

**Ecotoxicity Values for Component**

## Acetone

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

<b>Section 13. Disposal Considerations</b>
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**Waste treatment methods****Waste Disposal Regulation(s) / Operation**

Avoid release to soil. 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. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. 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.	Marine pollutant required above 5 L or 5 kg	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	No available data for this section.			

### Section 15. Regulatory Information

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

##### Safety, Health and Environmental Regulations for Product

DEA List II Chemicals (Essential Chemicals): Listed.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Listed.

##### Safety, Health and Environmental Regulations for Component

Acetone

<b>CERCLA reportable quantity:</b>	2270 kg.
<b>Right to know:</b>	California. Massachusetts. Minnesota. New Jersey. Pennsylvania. Rhode Island.
<b>SARA 311/312:</b>	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.