

**1. IDENTIFICATION**

**Product Identifier**

**Product Name** AC-1875

**Other means of identification**

**Product Code(s)** AC-1875

**UN-No** 1133

**Product Type** Adhesive

**Recommended use of the chemical and restrictions on use**

**Recommended Use** For industrial use only.

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier Address**

Dural  
550 Marshall Ave.  
Dorval, PQ  
Canada  
H9P 1C9

**Emergency telephone number**

**Company Phone Number** 800-361-2340

**Emergency Telephone Number** CANUTEC 613-996-6666

**2. HAZARDS IDENTIFICATION**

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

**Label elements**

**Emergency Overview**

**Signal Word** Danger

**Hazard Statements**

CAUSES SKIN IRRITATION

Causes serious eye irritation

Suspected of damaging fertility or the unborn child

May be harmful if swallowed and enters airways

May be harmful if inhaled

Harmful to aquatic life with long lasting effects

May cause respiratory irritation

May cause drowsiness or dizziness

Flammable liquid and vapor



**Appearance** Red

**Physical State** Liquid

**Odor** Ketones Aromatic

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ ventilating / lighting/ equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Wear respiratory protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 Specific treatment (see Section 4 on this SDS)  
 In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
 IF ON SKIN: Wash with plenty of water and soap  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash it before reuse  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor  
 Do NOT induce vomiting

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
 Keep from freezing  
 Store at room temperature

**Precautionary Statements - Disposal**

Dispose of in accordance with federal, state and local regulations

**Hazards not otherwise classified (HNOC)**

None under normal processing

**Other Information**

Unknown acute toxicity 4.54449 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

Components	CAS No.	Weight-%	Trade Secret
Acetone	67-64-1	30-60	*
Hexane	110-54-3	15-30	*
Toluene	108-88-3	15-30	*
3-Methylpentane	96-14-0	5.0-15	*
2-Methylpentane	107-83-5	1-5%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

### Description of first aid measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. If breathing has stopped, trained personnel should begin artificial respiration (AR) immediately. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately.
<b>Notes to Physician</b>	The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered.

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Use, Carbon dioxide (CO<sub>2</sub>), Dry chemical, Alcohol-resistant foam, Water fog, If using water or foam, prevent product and runoff from entering drains, sewers or surface water due to high toxicity to aquatic organisms

#### **Small Fires**

Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

#### **Unsuitable Extinguishing Media**

Specific test data for the substance or mixture is not available.

### **Specific Hazards Arising from the Chemical**

Do not allow run-off from fire-fighting to enter drains or water courses. Sealed containers may rupture when heated.

#### **Explosion Data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** May be ignited by friction, heat, sparks or flames.

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Use personal protection equipment. Ensure adequate ventilation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
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### Environmental precautions

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Prevent spreading of vapors through sewers, ventilation systems and confined areas.
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### Methods and material for containment and cleaning up

<b>Methods for Cleaning Up</b>	Pick up and transfer to properly labeled containers. Prevent environmental discharge consistent with regulatory requirements. Disposal should be in accordance with applicable regional, national and local laws and regulations.
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## 7. HANDLING AND STORAGE

## Precautions for safe handling

### **Handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin and clothing. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Flammable. For industrial use only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. DO NOT handle or store near an open flame, heat, or other sources of ignition. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. DO NOT pressurize, cut, heat, or weld containers. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personnel protective equipment. Handling Temperature: Ambient. Static Accumulator: This material is astatic accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100pS/m (100x10E-12 Siemens per meter) and is considered a semi conductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semi conductive, the precautions are the same. A number off actors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid. Not to be used by pregnant workers and workers who have recently given birth or who are breastfeeding.

### Conditions for safe storage, including any incompatibilities

#### **Storage**

Keep from freezing. Keep containers tightly closed in a cool, well-ventilated place.

#### **Incompatible Products**

Acids. Strong oxidizing agents.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Control parameters

#### **Exposure Guidelines**

<b>Components</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>	<b>AIHA - WEEL</b>
Acetone 67-64-1	BEI: 25 mg/L urine 500 ppm STEL TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>	-
Hexane 110-54-3	BEI: 0.4 mg/L urine TWA: 50 ppm Skin	TWA: 500 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m <sup>3</sup>	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m <sup>3</sup>	-
Toluene 108-88-3	BEI: 0.02 mg/L blood BEI: 0.03 mg/L urine BEI: 0.3 mg/g creatinine urine TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>	-
3-Methylpentane 96-14-0	1000 ppm STEL TWA: 500 ppm	(vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m <sup>3</sup>	Ceiling: 510 ppm Ceiling: 1800 mg/m <sup>3</sup> TWA: 100 ppm TWA: 350 mg/m <sup>3</sup>	-
2-Methylpentane 107-83-5	1000 ppm STEL TWA: 500 ppm	(vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m <sup>3</sup>	Ceiling: 510 ppm Ceiling: 1800 mg/m <sup>3</sup> TWA: 100 ppm TWA: 350 mg/m <sup>3</sup>	-

### Appropriate engineering controls

#### **Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

#### **Eye/Face Protection**

Avoid contact with eyes. Eye protection.

#### **Skin and Body Protection**

Wear protective gloves/protective clothing.

**Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Ketones Aromatic
<b>Appearance</b>	Red	<b>Odor Threshold</b>	No data available
<b>Color</b>	Red		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	Not applicable		
<b>Melting point / freezing point</b>	No information available		
<b>Boiling Point / Boiling Range</b>	Specific test data for the substance or mixture is not available		
<b>Flash Point</b>	-18°C		
<b>Evaporation Rate</b>	No information available		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
<b>Upper Explosive Limits</b>	Specific test data for the substance or mixture is not available		
<b>Lower Explosive Limits</b>	Specific test data for the substance or mixture is not available		
<b>Vapor pressure</b>	Negligible		
<b>Vapor Density</b>	Specific test data for the substance or mixture is not available		
<b>Specific Gravity</b>	0.80		
<b>Water Solubility</b>	Miscible with water		
<b>Solubility in other solvents</b>	Specific test data for the substance or mixture is not available		
<b>Partition coefficient</b>	No information available		
<b>Autoignition Temperature</b>	223°C		
<b>Decomposition Temperature</b>	No information available		
<b>Kinematic viscosity</b>	No information available		
<b>Dynamic viscosity</b>	180 - 220 cps		
<b>Explosive Properties</b>	No information available		
<b>Oxidizing Properties</b>	No information available		

**Other Information**

<b>Softening Point</b>	Specific test data for the substance or mixture is not available
<b>% VOC</b>	535 g/L
<b>Solids</b>	17.0 - 18.0 %

## 10. STABILITY AND REACTIVITY

**Reactivity**

None under normal processing

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Heat, flames and sparks.

**Incompatible Materials**

Acids. Strong oxidizing agents.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Inhalation</b>	Vapours may irritate throat and respiratory system. May cause drowsiness and dizziness based on components. Avoid breathing vapors or mists. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.
<b>Eye Contact</b>	Severely irritating to eyes.
<b>Skin Contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Ingestion</b>	Potential for aspiration if swallowed.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg ( Rat )	-	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
Hexane 110-54-3	= 25 g/kg ( Rat ) = 15000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	= 48000 ppm ( Rat ) 4 h
Toluene 108-88-3	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h
3-Methylpentane 96-14-0	= 15000 mg/kg ( Rat )	-	-
2-Methylpentane 107-83-5	= 15000 mg/kg ( Rat )	-	-

### Information on toxicological effects

**Symptoms** Specific test data for the substance or mixture is not available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Serious eye damage/eye irritation** Risk of serious damage to eyes.  
**Sensitization** No information available.  
**Mutagenic Effects** Specific test data for the substance or mixture is not available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Components	ACGIH	IARC	NTP	OSHA
Toluene 108-88-3	-	Group 3	-	-

**Reproductive Toxicity** Product is or contains a chemical which is a known or suspected reproductive hazard. May cause harm to the unborn child.

**STOT - single exposure** Central nervous system.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** No information available.

**Neurological Effects** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

**Aspiration Hazard** Risk of serious damage to the lungs (by aspiration).

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	3,007.00
<b>ATEmix (dermal)</b>	13,267.00
<b>ATEmix (inhalation-dust/mist)</b>	308.00

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

7.765989679 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Components	Algae/aquatic plants	Toxicity to Fish	Daphnia Magna (Water Flea)
Acetone - 67-64-1	N/A	4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
Hexane - 110-54-3	N/A	2.1 - 2.98: 96 h Pimephales	N/A

		promelas mg/L LC50 flow-through	
Toluene - 108-88-3	433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 12.6: 96 h Pimephales promelas mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 54: 96 h Oryzias latipes mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static	11.5: 48 h Daphnia magna mg/L EC50 5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static

**Persistence and Degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

Components	log Pow
Acetone 67-64-1	-0.24
Toluene 108-88-3	2.65

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal Methods**

Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging**

Do not reuse empty containers.

**14. TRANSPORT INFORMATION**

**DOT**

**UN-No**  
**Proper Shipping Name**  
**Hazard Class**  
**Transport Label**

1133  
ADHESIVE CONTAINING FLAMMABLE LIQUIDS (ACETONE, HEXANE, TOLUENE)  
3



**IATA**

Regulated

**IMDG/IMO**

Regulated

**15. REGULATORY INFORMATION**

TSCA 8(b)

All components are listed or exempt

**DSL**

All components are listed or exempt

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Components	Weight-%	SARA 313 - Threshold Values %
Hexane - 110-54-3	16.8025	1.0
Toluene - 108-88-3	16.2506	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Components	Weight-%	HAPS data
Hexane 110-54-3	15-30	
Toluene 108-88-3	15-30	Present
Xylenes (o-, m-, p- isomers) 1330-20-7	<0.1%	Present (isomers and mixture)
Ethylbenzene 100-41-4	<0.1%	
2-Chloro-1,3-butadiene 126-99-8	<0.1%	
Trade Secret	<0.1%	Present

**CWA (Clean Water Act)**

See information supplied by the manufacturer

**CERCLA**

See information supplied by the manufacturer

**US State Regulations****California Proposition 65**

This product contains (a) Proposition 65 chemical(s)

Components	California Proposition 65
Toluene - 108-88-3	Developmental
Ethylbenzene - 100-41-4	Carcinogen
2-Chloro-1,3-butadiene - 126-99-8	Carcinogen
Trade Secret -	Carcinogen

**U.S. EPA Label Information**

EPA Pesticide Registration Number No data available

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health Hazard 2	Flammability 3	Instability 0	Physical and Chemical Hazards -
<b>HMIS / WHMIS</b>	Health Hazard 2	Flammability 3	Physical hazards 0	Personal Precautions X

**Prepared By**

Verified by Quality Control Department

**Revision Date**

25-Aug-2016

**Revision Note**

No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief



at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**