




WHMIS	PPE	Transport Symbol
		

Revision Date 20-Nov-2014

Revision Number 15

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	AC-1920 (CC-24 / G-1920)
Product Type	Solvent Based Contact Cement .
Manufactured by:	Dural, a division of Multibond, Inc. 550 Marshall Avenue Dorval, Quebec Canada H9P 1C9
Emergency Contact Number	CANUTEC (613) 996-6666
Telephone for Information	(514) 636-6230

2. HAZARDS IDENTIFICATION

Emergency Overview

Flammable Liquid.

Appearance Straw-colored

Physical State Liquid

Odor Hydrocarbon-like

OSHA Regulatory Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Potential Health Effects	
Principle Routes of Exposure	Eye contact, Skin contact, Inhalation, Ingestion.
Acute Toxicity	
Eyes	May cause mild irritation.
Skin	Prolonged skin contact may defat the skin and produce dermatitis. May cause skin irritation and/or dermatitis.
Inhalation	May cause irritation of respiratory tract. May cause drowsiness and dizziness.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Effects	
Chronic Toxicity	Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.
Aggravated Medical Conditions	None known

Environmental Hazard

See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %
Acetone	67-64-1	15 - 40
Hexanes	110-54-3	15 - 40
Toluene	108-88-3	5 - 10

Component	OSHA PEL	ACGIH TLV
Acetone 67-64-1 (15 - 40)	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 1800 mg/m ³ (vacated) TWA: 750 ppm (vacated) STEL: 1000 ppm (vacated) STEL: 2400 mg/m ³	= 750 ppm STEL 1 321 1 Acetone
Hexanes 110-54-3 (15 - 40)	TWA: 1800 mg/m ³ TWA: 500 ppm (vacated) TWA: 180 mg/m ³ (vacated) TWA: 50 ppm	TWA: 50 ppm Skin
Toluene 108-88-3 (5 - 10)	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	TWA: 20 ppm

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Skin Contact	Wash skin with soap and water
Inhalation	Move to fresh air
Ingestion	Clean mouth with water and afterwards drink plenty of water
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Flammable.
Flash Point	-18 °C
Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide (CO ₂), or foam
Hazardous Combustion Products	Carbon oxides

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

NFPA **Health Hazard 1** **Flammability 3** **Stability 0** **Physical and Chemical Hazards N/A**

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear protective gloves/clothing and eye/face protection

Methods for Containment Prevent further leakage or spillage if safe to do so

Methods for Cleaning Up Pick up and transfer to properly labeled containers

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice

Storage Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed in a dry and well-ventilated place. Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Components	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone	= 750 ppm STEL 1 321 1 Acetone	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 1800 mg/m ³ (vacated) TWA: 750 ppm (vacated) STEL: 1000 ppm (vacated) STEL: 2400 mg/m ³	IDLH: 2500 ppm 10% LEL TWA: 250 ppm TWA: 590 mg/m ³
Hexanes	TWA: 50 ppm Skin	TWA: 1800 mg/m ³ TWA: 500 ppm (vacated) TWA: 180 mg/m ³ (vacated) TWA: 50 ppm	IDLH: 1100 ppm 10% LEL TWA: 180 mg/m ³ TWA: 50 ppm
Toluene	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³

Engineering Measures Showers
Eyewash stations
Ventilation systems

Eye/Face Protection Eye protection

Skin and Body Protection Wear protective gloves/clothing

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved organic vapour respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Straw-colored	Physical State	Liquid
Odor	Hydrocarbon-like	pH	Not applicable
Flash Point	-18 °C	Autoignition Temperature	223 °C
Boiling Point/Range	Not applicable	Melting Point/Range	Not applicable
Freezing point	Not applicable		
		Flammability Limits in Air	
		Upper	12.8
		Lower	2.6
Explosion Limits	Not applicable		
Specific Gravity	0.83	VOC Content	650 g/L
Viscosity	1,500 - 1,700 cps		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	None known based on information supplied
Conditions to Avoid	Heat, flames and sparks.
Hazardous Decomposition Products	None known based on information supplied
Hazardous Reactions	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Chronic Toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information
Irritation	Repeated or prolonged exposure may cause irritation of eyes and skin

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acetone	5800 mg/kg (Rat)		
Hexanes	25 g/kg (Rat)	3000 mg/kg (Rabbit)	48000 ppm (Rat) 4 h
Toluene	636 mg/kg (Rat)	12124 mg/kg (Rat) 8390 mg/kg (Rabbit)	12.5 mg/L (Rat) 4 h 26700 ppm (Rat) 1 h

Chronic Toxicity

Chronic Toxicity	Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.
Carcinogenicity	Contains no ingredient listed as a carcinogen

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

Components	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Acetone		LC50= 5540 mg/L Oncorhynchus mykiss 96 h LC50= 6210 mg/L Pimephales promelas 96 h LC50= 8300 mg/L Lepomis macrochirus 96 h	EC50 = 14500 mg/L 15 min	48 Hr EC50 water flea: 0.0039 mg/L; 48 Hr EC50 water flea: 12700 mg/L [Static]; 48 Hr EC50 Daphnia magna: 12600 mg/L
Hexanes		LC50= 2.5 mg/L Pimephales promelas 96 h LC50= 4.12 mg/L Lepomis macrochirus 96 h LC50= 4.14 mg/L Oncorhynchus mykiss 96 h		EC50 = 3.87 mg/L 48 h
Toluene	EC50 = 12.5 mg/L 72 h	LC50= 13 mg/L Lepomis macrochirus 96 h LC50= 24.0 mg/L Lepomis macrochirus 96 h LC50= 24.0 mg/L Oncorhynchus mykiss 96 h LC50= 25 mg/L Pimephales promelas 96 h	EC50 = 19.7 mg/L 30 min	EC50 = 11.3 mg/L 48 h EC50 = 310 mg/L 48 h

Components	Log Pow
Acetone	= -0.24
Toluene	= 2.65

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of contents/container in accordance with local regulation

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name FLAMMABLE LIQUIDS(ACETONE,HEXANE,TOLUENE)
Hazard Class 3
UN-No 1133
Packing Group II

TDG Regulated

MEX Regulated

IATA Regulated

IMDG/IMO Regulated

15. REGULATORY INFORMATION

International Inventories
TSCA Complies
DSL Complies
ENCS Does not Comply
IECSC Does not Comply

KECL	Does not Comply
PICCS	Does not Comply
AICS	Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Components	CAS-No	Weight %	SARA 313 - Threshold Values %
Hexanes	110-54-3	15 - 40	1.0
Toluene	108-88-3	5 - 10	1.0

SARA 311/312 Hazard Categories

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

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene 108-88-3 (5 - 10)		X	X	X

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Components	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Acetone	5000 lb	
Hexanes	5000 lb	
Toluene	1000 lb	

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

Components	CAS-No	California Prop. 65
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Components	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Acetone	X	X	X		X
Hexanes	X	X	X	X	X
Toluene	X	X	X	X	X

International Regulations

Components	Carcinogen Status	Exposure Limits
------------	-------------------	-----------------

Acetone		Mexico: TWA= 1000 ppm Mexico: TWA= 2400 mg/m ³ Mexico: STEL= 1260 ppm Mexico: STEL= 3000 mg/m ³
Hexanes		Mexico: TWA= 176 mg/m ³ Mexico: TWA= 1760 mg/m ³ Mexico: STEL= 1000 ppm Mexico: STEL= 3500 mg/m ³
Toluene		Mexico: TWA= 50 ppm Mexico: TWA= 188 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B2 Flammable liquid

D2B Toxic materials



Components	NPRI
Hexanes	X
Toluene	X

16. OTHER INFORMATION

Prepared By

Verified by Quality Control Department

Revision Date

20-Nov-2014

Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of MSDS