ADS WEATHERDEK CANADA Ltd.

SAFETY DATA SHEET

Revision Number 2
Revision Date: 25-Aug-2016

WD–1000 AS CONTACT ADHESIVE

1. IDENTIFICATION

Product Identifier
Product Name WD-1000 AS

Other means of identification
Product Code(s) WD-1000 AS
UN-No 1133
Product Type Solvent Based Contact Cement

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
ADS Weatherdek Canada Ltd.
600 Adams Rd.
Kelowna, BC
Canada
V1X 7S1
Emergency telephone number
Company Phone Number (800) 667-2596
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

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 vapour

Appearance TAN / NEUTRAL **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 / vapours / 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 / venting / 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 the 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 ingredients(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	5.0-15	*
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

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.
Consult a physician

Skin Contact Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In case of skin irritation or allergic reactions see a physician.

Inhalation 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.

Notes to Physician 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_2), 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, same or earth may be used for small fires only.

Unsuitable Extinguishing Media

Specific test data for substance or mixture is not available.

Specific Hazards Arising from the Chemical

Do not allow runoff 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

Personal precautions	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 also be provided in accordance with local regulations.

Environmental precautions

Environmental precautions	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 vapours through sewers, ventilation systems and confined areas.

Methods and material for containment and cleaning up

Methods for Cleaning Up	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.

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 a static 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 of 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 and incompatibilities

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

Incompatible Products Acids. Strong oxidizing agents.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Components	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA – WEEL
Acetone 67-64-1	BEI: 25 mg/L urine 500 ppm STEL TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m^3 (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m^3 (vacated) STEL: 2400 mg/m^3 (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m^3	-
Hexane 110-54-3	BEI: 0.4 mg/L urine TWA: 50 ppm Skin	TWA: 500 ppm TWA: 1800 mg/m^3 (vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m^3 (vacated) STEL: 1000 ppm (vacated) STEL: 1000 mg/m^3	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m^3	-

Toluene 108-88-3	BEI: 0.02 mg/L blood BEI: 0.03 mg/L urine BEI: 0.3 mg/g creatine urine 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	-
3-Methylpentane 96-14-10	1000 ppm STEL TWA: 500 ppm	(vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m^3 (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m^3	Ceiling: 510 ppm Ceiling: 1800 mg/m^3 TWA: 100 ppm TWA: 350 mg/m^3	-
2-Methylpentane 107-83-5	1000 ppm STEL TWA: 500 ppm	(vacated) TWA: 500 ppm (vacated) TWA: 1800 mg/m^3 (vacated) STEL: 1000 ppm (vacated) STEL: 3600 mg/m^3	Ceiling: 510 ppm Ceiling: 1800 mg/m^3 TWA: 100 ppm TWA: 350 mg/m^3	-

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 re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Tan / Neutral	**Odor**	Keytones Aromatic
Color	Tan / Neutral	**Odor Threshold**	No data available

Property	**Values**	**Remarks**
pH	Not applicable	
Melting point / Freezing point	No information available	
Boiling point / Boiling range	Specific test data for the substance Or mixture is not available	
Flash Point	-18° C	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	

Flammability Limit in Air	
Upper Explosive Limits	Specific test data for the substance Or mixture is not available
Lower Explosive Limits	Specific test data for the substance Or mixture is not available
Vapour Pressure	Negligible
Vapour Density	Specific test data for the substance Or mixture is not available
Specific Gravity	0.80
Water Solubility	Miscible with water
Solubility in other solvents	Specific test data for the substance Or mixture is not available
Partition coefficient	No information available
Autoignition Temperature	223° C
Decomposition Temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	180 – 220 cps
Explosive Properties	No information available
Oxidising Properties	No information available

Other Information

Softening Point	Specific test data for the substance Or mixture is not available
% VOC	535 g/L
Solids	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 Decomposiation Products	Thermal decomposition can lead to release of irritating gases and vapours. Carbon oxides.

11. TOXOLOGICAL INFORMATION

Information on likely routes of exposure

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

Components	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	=5800 mg/kg (Rat)	-	=50100 mg/m^3 (Rat) 8h
Hexane 110-54-3	=25 g/kg (Rat) =1500 mg/kg (Rat)	=3000 mg/kg (Rabbitt)	=48000 ppm (Rat) 4h
Toluene 108-88-3	= 2600 mg/kg (Rat)	=12000 mg/kg (Rabbitt)	=12.5 mg/L (Rat) 4h
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 Contains no ingredients above reportable quantities listed as a carcinogen.

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

Reproductive Toxicity Product is or contains a chemical which is 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.

ATEmix (oral)	3,007.00
ATEmix (dermal)	13,267.00
ATEmix (inhalation-dust/mist)	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 Flee)
Acetone – 67-64-1	N/A	4.74 – 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 – 8120: 96 h	10294 – 17704: 48 h Daphnia magna mg/L EC50 Static 12600

		Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	-12700: 48 h Daphnia magna mg/L EC50
Hexane – 110-54-3	N/A	2.1-2.98: 96 h Pimephales promelas mg/L LC50 flow-through	N/A
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 Oncorhychus 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 reticulate mg/L LC50 semi-static 50.87-70.34: 96 h Poecillia reticulate 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

Persistance 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 1133

Proper Shipping Name ADHESIVE CONTAINING FLAMMABLE LIQUID (ACETONE, HEXANE, TOLULENE)

Hazard Class 3

Transport Label

IATA Regulated

IMDG/IMO Regulated

15. REGULATORY INFORMATION

TSCA 8 (b) All components are listed exempt
DSL All components are listed exempt
TSCA United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL 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	20-45	1.0
Toluene – 108-88-3	5-10	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	20-45	Present
Toluene – 108-88-3	5-10	Present
2-Chloro-1, 3-butadiene	<0.1 %	Present
Formaldehyde – 50-00-0	<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
2-Chloro-1, 3-butadiene – 126-99-8	Carcinogen
Formaldehyde – 50-00-0	Carcinogen

U.S. EPA Label Information
EPA Pesticide Registration Number No data available

16. OTHER INFORMATION

NFPA	**Health Hazard** 2	**Flammability** 3	**Instability** 0	**Physical and Chemical Hazards –**
HMIS / WHIMS	**Health Hazard** 2	**Flammability** 3	**Physical Hazards** 0	**Personal Precautions** X

Prepared By Verified by Quality Control Department
Revision Date 25-Aug-2016
Revision Number 2

Disclaimer

The information provided in the Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification

END OF SAFETY DATA SHEET