



SAFETY DATA SHEET 1165

IKO SAM ADHESIVE (Low VOC Content)

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	IKO SAM Adhesive (Low VOC Content)
TRADE NAME	Low VOC Primer Adhesive
PRODUCT NUMBER	1850033
CHEMICAL FAMILY	Mixture
PRODUCT USE	Primer Adhesive
MANUFACTURER/SUPPLIER	BramCal Production Ltd. 305 Rutherford Road Brampton, Ontario L6W 3R5
WEBSITE	www.iko.com
EMERGENCY NUMBER	CANUTEC: 1-613-996-6666 (24 hours information only)

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD DANGER

SYMBOL(S)



CLASSIFICATION Acute toxicity (Oral) - Category 5
Aspiration hazard - Category 1
Carcinogenicity - Category 1
Flammable liquid - Category 2
Reproductive toxicity - Category 2
Serious eye damage -Category 2
Skin irritation - Category 2
Specific target organ toxicity (repeated exposure) - Category 2
Specific target organ toxicity (single exposure) - Category 3

HAZARD STATEMENTS H225 Highly flammable liquid and vapour.
H302+H312+H332 May be harmful if swallowed, in contact with skin or if inhaled.
H304 May be fatal if swallowed and enters airways.
H315+H319 Causes skin and eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.



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PRECAUTIONARY STATEMENTS

P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands and skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE or doctor if you feel unwell.
P331 Do NOT induce vomiting.
P362 Take off contaminated clothing and wash it before reuse.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

NFPA

No information available.

HMIS

No information available.

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

HAZARDOUS CHEMICAL NAME	% (w/w)	CAS NUMBER
Acetone	< 25	67-64-1
Tert-Butyl acetate	< 25	540-88-5
Methyl acetate	< 25	79-20-9
n-Hexane	< 15	110-54-3
Toluene	< 5	108-88-3
Solvent-refined heavy paraffinic petroleum distillate (mildly solvent-refined)	< 5	64741-88-4
Methanol	< 0.5	67-56-1



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SECTION 4 – FIRST AID

INHALATION	Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice or attention if you feel unwell.
INGESTION	Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Get medical advice or attention if you feel unwell.
SKIN CONTACT	Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.
EYE CONTACT	Quickly and gently blot or brush chemical off the face. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.
ACUTE AND CHRONIC SYMPTOMS	Refer to section 11, Toxicological Information, for additional information.
MEDICAL ATTENTION	No information available.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Carbon dioxide, dry chemical powder or appropriate foam.
FIRE FIGHTING	Highly flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air. Can be ignited by static discharge. May travel a considerable distance to a source of ignition and flash back to a leak or open container. May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, resulting in a fire hazard. Closed containers may rupture violently when heated releasing contents.
FLAMMABILITY	Highly flammable liquid and vapour.
PROPERTIES:	
FLASH POINT	-23°C (-9°F) (closed cup) (n-Hexane)
FLAMMABLE LIMITS IN AIR	No information available.
AUTO IGNITION	225°C (437°F) (n-Hexane)



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TEMPERATURE

SPECIAL PPE FOR FIRE-FIGHTERS Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Use the personal protective equipment recommended in Section 8, Exposure Control and Personal Protection. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Eliminate all ignition sources if safe to do so. Distant ignition and flashback are possible. Before entry, especially into confined areas, check atmosphere with an appropriate monitor. Monitor area for flammable or explosive atmosphere.

ENVIRONMENTAL PRECAUTIONS

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

SPILL MANAGEMENT

Do not use absorbents. Contain spill using non-combustible material such as vermiculite, earth or sand. Place used absorbent into suitable, covered, labeled containers for disposal. Contaminated absorbent poses the same hazard as the spilled product.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE

Avoid breathing in this product. Avoid repeated or prolonged skin contact. Do not get in eyes, on skin or on clothing. Do not swallow. Avoid exposure during pregnancy and while nursing. Only use where there is adequate ventilation. In the event of a spill or leak, exit the area immediately. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparking tools. Wear personal protective equipment to avoid direct contact with this chemical. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. Use personal protection equipment described in section 8, Exposure Control and Protective Equipment.

STORAGE PRECAUTIONS

Store in an area that is: cool, dry, out of direct sunlight and away from heat and ignition sources. Electrically bond and ground containers. Ground clips must contact bare metal.



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SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

CHEMICAL NAME	OCCUPATIONAL EXPOSURE LIMITS				
	ALBERTA	ONTARIO	BRITISH COLUMBIA	OSHA	ACGIH
Acetone	TWA : 500 ppm Ceiling : 750 ppm	TWA : 500 ppm STEL : 750 ppm	TWA : 250 ppm STEL : 500 ppm	TWA : 1000 ppm	TWA : 500 ppm STEL : 750 ppm
Tert-Butyl acetate	TWA : 200 ppm	TWA : 200 ppm	TWA : 200 ppm	No information available.	TWA : 200 ppm
Methyl acetate	TWA : 100 ppm Ceiling : 250 ppm	TWA : 100 ppm STEL : 250 ppm	TWA : 200 ppm STEL : 250 ppm	TWA : 200 ppm	TWA : 200 ppm
n-Hexane	TWA : 50 ppm	TWA : 50 ppm	TWA : 20 ppm	TWA : 500 ppm	TWA : 50 ppm BEI Skin
Toluene	TWA : 50 ppm	TWA : 20 ppm	TWA : 20 ppm	TWA : 200 ppm Ceiling: 300 ppm	TWA : 20 ppm STEL 20 ppm
Solvent-refined heavy paraffinic petroleum distillate (mildly solvent-refined)	No information available.	No information available.	No information available.	No information available.	TWA : 5 mg/m ³
Methanol	TWA : 200 ppm Ceiling : 250 ppm	TWA : 200 ppm STEL : 250 ppm	TWA : 200 ppm STEL : 250 ppm	TWA : 200 ppm	TWA : 200 ppm STEL : 200 ppm

ENGINEERING MEASURES

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Provide eyewash and safety shower if contact or splash hazard exists.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SKIN AND BODY PROTECTION Wear chemical protective clothing e.g. gloves, aprons, boots.

EYE PROTECTION Wear chemical safety goggles and face shield when contact is possible.

HYGIENE MEASURES Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

OTHER CONTROLS No information available.



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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.)	Cloudy green liquid.
ODOR	Pungent
ODOR THRESHOLD	0.071 ppm (tert-Butyl acetate)
PH	No information available
MELTING POINT/FREEZING POINT	-98°C (-144°F) (Methyl acetate) (freezing)
INITIAL BOILING POINT AND BOILING RANGE	55 - 56°C (131 - 133°F) (estimated)
FLASH POINT	-23°C (-9°F) (closed cup) (n-Hexane)
EVAPORATION RATE	5.6 - 8.4 (estimated) (n-butyl acetate = 1)
FLAMMABILITY	Highly flammable liquid and vapour.
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	7.5% (n-Hexane) (upper); 1.1% (n-Hexane) (lower)
VAPOR PRESSURE	173 - 185 mm Hg (23 - 25 kPa) at 20°C (estimated)
VAPOR DENSITY	2.97 - 3.18 (estimated)
MOLECULAR WEIGHT	No information available.
SOLUBILITY(IES)	Not available in water; Not available (in other liquids)
PARTITION COEFFICIENT: N-OCTANOL/WATER	No information available.
AUTO-IGNITION TEMPERATURE	225°C (437°F) (n-Hexane)
SPECIFIC GRAVITY	0.872
VISCOSITY	No information available.



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SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:

CHEMICAL STABILITY Normally stable. Not reactive under normal conditions of use.

POSSIBILITY OF HAZARDOUS REACTIONS No information available.

CONDITIONS TO AVOID Open flames, sparks, static discharge, heat and other ignition sources. Water, moisture or humidity.

INCOMPATIBLE MATERIALS No information available.

HAZARDOUS DECOMPOSITION PRODUCTS No information available.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC TOXICITY

CHEMICAL NAME	LC50	LD50 (ORAL)	LD50 (DERMAL)
Acetone	32000 mg/m ³ (rat) (4-hour exposure)	5800 mg/kg (female rat)	20000 mg/kg (rabbit)
Tert-Butyl acetate	> 2.23 mg/L (rat) (4-hour exposure) (vapour)	4100 mg/kg (rat)	> 2000 mg/kg (rabbit)
Methyl acetate	16000-32000 ppm (rat) (4-hour exposure)	> 5000 mg/L (rat)	> 5000 mg/kg (rabbit)
n-Hexane	48000 ppm (rat) (4-hour exposure)	15820 mg/kg (rat)	> 3295 mg/kg (rabbit)
Toluene	7585 ppm (rat) (4-hour exposure)	5580 mg/kg (male rat)	12125 mg/kg (rabbit)
Solvent-refined heavy paraffinic petroleum distillate (mildly solvent-refined)	No information available.	> 5000 mg/kg (rat)	> 5000 mg/kg (rabbit)
Methanol	No information available.	No information available.	15800 mg/kg (rabbit)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

No information available.



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PRIMARY ROUTE OF EXPOSURE Skin contact and inhalation.

HEALTH EFFECTS:

EYES Human experience and animal tests show serious eye irritation.

SKIN Human experience and animal tests show moderate or severe irritation. Can cause an allergic reaction (skin sensitization) based on animal tests. (Toluene)

INHALATION Not a respiratory sensitizer

INGESTION No information available.

STOT (SPECIFIC TARGET ORGAN TOXICITY)- SINGLE EXPOSURE Inhalation:
At high concentrations causes nose and throat irritation, lung injury, depression of the central nervous system.
Symptoms may include headache, nausea, dizziness, drowsiness and confusion.
A severe exposure can cause unconsciousness.

Skin Absorption:
May be harmful based on limited evidence.

STOT (SPECIFIC TARGET ORGAN TOXICITY) – REPEATED EXPOSURE No information available.

CARCINOGENICITY

CHEMICAL NAME	IARC	ACGIH®	NTP	OSHA
Acetone		Group A4		
n-Hexane	Not listed	Not designated	Not listed	Not listed
Toluene	Group 3	Group A4	Not listed	Not listed
Solvent-refined heavy paraffinic petroleum distillate (mildly solvent-refined)	Group 1			

REPRODUCTIVE TOXICITY:

DEVELOPMENT OF OFFSPRING May harm the unborn child (toluene).

SEXUAL FUNCTION AND FERTILITY Conclusions cannot be drawn from the limited studies available.

GERM CELL MUTAGENICITY Conclusions cannot be drawn from the limited studies available.



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SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY

Acute Aquatic Toxicity:

CHEMICAL NAME	LC50 FISH	EC50 CRUSTACEA	ErC50 QUATIC PLANTS	ErC50 ALGAE
Acetone	No information available.	7630 (Daphnia magna (water flea); 48-hour)	No information available.	No information available.
Tert-Butyl acetate	240 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour)	350 mg/L (Daphnia magna (water flea); 48-hour)	No information available.	5.8-64 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour)
Methyl acetate	320-399 (Pimephales promelas (fathead minnow); 96-hour)	No information available.	No information available.	No information available.
n-Hexane	2.5 mg/L (Pimephales promelas (fathead minnow); 96-hour; fresh water; flow-through)	No information available.	No information available.	No information available.
Toluene	13 mg/L (Lepomis macrochirus (bluegill); 96-hour)	11.5-19.6 mg/L (Daphnia magna (water flea); 48-hour)	No information available.	No information available.
Methanol	15 400 (Lepomis macrochirus (bluegill))	10 800 (Daphnia magna (water flea))	No information available.	No information available.

PERSISTENCE & DEGRADABILITY

No ingredient of this product or its degradation products is known to be highly persistent.

BIODEGRADATION MOBILITY

If released into the environment, this product can move rapidly through the soil.

BIOACCUMULATION POTENTIAL

This product or its degradation products are expected to bio-accumulate. (n-Hexane)



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SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14 – TRANSPORT INFORMATION

SHIPPING INFORMATION Adhesive, UN1133, Class 3 PG II

SECTION 15 - REGULATIONS

SAFETY, HEALTH AND ENVIRONMENT REGULATIONS

CANADA Domestic Substances List (DSL)/Non-Domestic Substances List (NDSL):
All ingredients are listed on the DSL/NDSL.

USA Toxic Substances Control Act (TSCA) Section 8(b):
All ingredients are listed on the TSCA inventory.

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS January 23, 2018

REPLACES THE MSDS/SDS FROM June 30, 2017

PREPARED BY HSE department

GENERAL INFORMATION 1-888-766-2468

WEBSITE www.iko.com

OTHER INFO/DISCLAIMERS Read this Safety Data Sheet before handling or disposing of this product.

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.