

## ABBREVIATIONS:

NA=NOT APPLICABLE

ND=NOT DETERMINED

HEALTH=

FLAMMABILITY=

REACTIVITY=

PERSONAL PROTECTION= +

+ SEE SECTION VII

WHMIS CLASSIFICATION: D2A, D2B

## SECTION I PRODUCT IDENTIFICATION AND USE

MATERIAL NAME/IDENTIFIER: IKO Cold Gold Adhesive

MANUFACTURER/SUPPLIER: IKO Industries Ltd.

87 Orenda Road

Brampton, Ontario

L6W 1V7

PHONE: (905) 457-2880 - EXT. 3354

EMERGENCY: 1-613-996-6666 CANUTEC (24 hr. emergency information only)

CHEMICAL FAMILY: Mixture

CHEMICAL FORMULA/MOLECULAR WT:

TRADE NAME AND SYNONYMS:

MATERIAL USE: Adhesive for Roofing Membranes.

P.I.N.: Not Regulated

## SECTION II HAZARDOUS INGREDIENTS

CHEMICAL NAME	OSHA-TWA	ACGIH-TTWA	LD50/LC50	%WT/W
Asphalt CAS # 8052-42-4 CARCINOGEN: ND		0.50 mg/M3		25-30%
Polyurethane Polymer (experimental) CAS# ( Proprietary) CARCINOGEN: ND	ND	ND	ND	25-30%
Methylene Diisocyanate CAS# 27447-40-5 CARCINOGEN: NO	0.020ppm	0.005ppm	ND	9-10%
Diphenylmethane Diisocyanate Homopolymer CAS# 39310-05-9 CARCINOGEN: NO	0.20ppm	ND	ND	2-3%

## SECTION III PHYSICAL DATA

APPEARANCE, PHYSICAL STATE AND ODOR: Dark Brown to Black viscous liquid

ODOR THRESHOLD (PPM): ND

SPECIFIC GRAVITY/DENSITY (G/ML):1.04

VAPOR PRESSURE (MM): ND

VAPOR DENSITY (AIR=1): ND

EVAPORATION RATE (BUAC=1): NA

BOILING POINT: NA

MELTING/FREEZING POINT: NA  
PH: NA  
COEFFICIENT OF WATER/OIL DISTRIBUTION: ND  
SOLUBILITY IN WATER: Negligible  
% VOLATILE BY WEIGHT: < 1%

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SECTION IV FIRE OR EXPLOSION DATA

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FLASH POINT: 140°C  
AUTO IGNITION TEMPERATURE: ND  
SENSITIVITY TO MECHANICAL IMPACT: NA  
EXPLOSIVE POWER:  
UPPER EXPLOSION LIMIT .NA  
LOWER EXPLOSION LIMIT: NA  
RATE OF BURNING:

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, or water fog/spray  
SPECIAL FIRE FIGHTING PROCEDURES: use accepted fire fighting techniques to prevent exposure to fumes.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE  
FLAMMABILITY: NA  
UNDER WHAT CONDITIONS: NA

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SECTION V REACTIVITY DATA

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STABILITY -  
CONDITIONS TO AVOID: Exposure to moisture and other materials that may react with Isocyanates.  
HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Dense Black Smoke, Hydrogen Cyanide.  
INCOMPATIBILITY (MATERIALS TO AVOID): Water, Amines, Strong Bases, alcohols.  
HAZARDOUS POLYMERIZATION: May occur with Temperatures > 177°C and other materials known to react with Isocyanates

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SECTION VI TOXICOLOGICAL PROPERTIES

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PRIMARY ROUTES OF ENTRY:  
Eyes: May cause irritation. Inhalation: May cause headaches, irritation, nausea, drowsiness, stupor, coughing spell, and allergic respiratory sensitization. Skin: May cause irritation, sensitization and Dermatitis. Ingestion: May cause gastrointestinal irritation.  
EFFECTS OF OVEREXPOSURE, CHRONIC: Not Determined

EFFECTS OF OVEREXPOSURE, ACUTE: Irritation, sensitization, headaches, nausea, drowsiness, coughing and gastrointestinal irritation.

CARCINOGENICITY: None TERATOGENIC: ND  
MUTAGENIC: ND  
LD50 OF PRODUCT: ND  
IRRITANT: Yes  
LC50 OF PRODUCT: ND  
SENSITIZER: Yes  
SYNERGISTIC MATERIALS: ND  
REPRODUCTIVE EFFECTS: None  
WHMIS CLASSIFICATION: D2A, D2B

**WARNING:** This product may contain oxidized bitumens. The International Agency for Research on Cancer (the "IARC") published a monograph in 2013 which concluded that "occupational exposure to oxidized bitumens and their emissions during roofing operations are probably carcinogenic to humans." The IARC found that there is "limited evidence" in humans for the carcinogenicity of occupational exposures to bitumens and bitumen emissions during roofing and mastic-asphalt work. The IARC also found that there is "sufficient evidence" in experimental animals for carcinogenicity of fume condensates generated from oxidized bitumen. All other evidence of cancer in humans and experimental animals was judged "inadequate" or "limited." The physical nature of this product may help limit any inhalation hazard from oxidized asphalt during application in its hardened state. However, physical forces such as grinding, drilling and other demolition work on this product may liberate dust containing oxidized asphalt. Burning or heating of the product may cause fumes, vapors or mists.

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SECTION VII PREVENTIVE MEASURES, SAFE HANDLING AND USE,  
REGULATORY INFORMATION

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LEAK AND SPILL PROCEDURES:

Dike spill area. Absorb spills with sand or other suitable absorbent. Transfer to appropriate container for disposal.

WASTE DISPOSAL METHOD:

Dispose of according to Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store under normal ware house conditions. Prevent inhalation of vapours, ingestion and contact with skin and eyes. Keep containers closed when not in use. Clean hands thoroughly after use.

OTHER:

Keep out of the reach of children!

RESPIRATORY PROTECTION: If materials are at an elevated temperature, >80C or is to be sprayed, use a NIOSH or OSHA approved respirator for Isocyanates.

PROTECTIVE GLOVES: YES

EYE PROTECTION: YES

OTHER PROTECTIVE EQUIPMENT: Face shield is recommended.

WORK/HYGIENIC PRACTICES:

Remove contaminated clothing, launder before reuse.

RCRA HAZARDOUS WASTE NO: None

DOT PROPER SHIPPING NAME: Adhesive

VOLATILE ORGANIC COMPOUNDS (VOC) <1%

TDG CLASSIFICATION: Not regulated

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SECTION VIII FIRST AID MEASURES

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EMERGENCY AND FIRST AID PROCEDURES:

Skin: Wash area of contact thoroughly with hand cleaner followed by soap and water. If an irritation, rash or other disorders develop, seek medical attention immediately.

Eyes: Flush immediately with running water for 15 min. lifting the upper and lower lids occasionally.

Ingestion: Seek medical attention immediately.

Inhalation: Leave area to breathe fresh air. Should be observed by physician if exposure is severe.

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SECTION IX PREPARATION INFORMATION

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Prepared/Reviewed by: HSE Department

Date: August 3, 2015

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with the Company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.