



IKO INDUSTRIES LTD.
71 ORENDA ROAD
BRAMPTON, ONTARIO., L6W 1V8
CANADA
1-888-766-2468

PRODUCT: EASY-MELT TYPE 2/3 LOW ODOUR

CODE: 0760097,0760098

SECTION 01: IDENTIFICATION

Supplier identifier..... IKO Industries Ltd.
71 Orenda Road
Brampton, Ontario. L6W 1V8
1-888-766-2468
www.iko.com
Product identifier..... EASY-MELT TYPE 2/3 LOW ODOUR
Product code..... 0760097, 0760098
Product use..... Roofing.
Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).

SECTION 02: HAZARD IDENTIFICATION



According to Hazardous Products Regulations (HPR) (SOR/2015-17)
Hazard classification..... Acute Toxicity (Inhalation) — Category 4. Carcinogenicity — Category 1B. Health Hazards Not Otherwise Classified — Category 1.
Signal word..... DANGER.
Hazard statement..... H332 Harmful if inhaled. H350 May cause cancer. Contact with hot product may cause thermal burns.
Precautionary statements..... P261 Avoid breathing fume/mist/vapours. P271 Use only outdoors or in a well-ventilated area. P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection. P264 Wash exposed skin thoroughly after handling. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P308+P313 IF exposed or concerned: Get medical advice/attention. P302+P352 IF ON SKIN: Wash with plenty of soap and water. Cool body part by water immersion or shower. P332+P313 If skin irritation occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash before reuse. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.
Other hazards..... During transport, storage or use of heated product, small amounts of toxic hydrogen sulfide H₂S (CAS 7783-06-4) may be generated.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Oxidized asphalt (bitumen)	64742-93-4	80-100
<The exact concentration of composition has been withheld as a trade secret>		

SECTION 04: FIRST-AID MEASURES

Routes of exposure
Inhalation..... Remove to fresh air. If irritation persists, consult a physician. Apply Cardio Pulmonary Resuscitation if not breathing. Get medical attention immediately. Call a poison center or physician.
Ingestion..... Do not induce vomiting. Dilute with 1-2 glasses of water. Get medical aid. Never give anything by mouth to an unconscious person.
Skin contact..... For hot asphalt contact, cool body part by water immersion or shower. DO NOT attempt removal of asphalt, but split longitudinally if splash is circumferential to avoid tourniquet effect. For skin soiling without underlying burn, cleanse with mineral oil followed by soap and water. Use olive oil in vicinity of the eyes. Get medical attention if needed.

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SECTION 04: FIRST-AID MEASURES

Eye contact..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Use fingers to ensure that eyelids are separated and that the eye is being irrigated.

Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Medical attention and special treatment.... IF exposed or concerned: Get medical advice/attention. Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. Ensure that medical personnel are aware of the material(s) involved. Show this safety data sheet to the doctor in attendance.

Notes to physician..... No attempt should be made to remove firmly adhering bitumen from the skin. Once bitumen is cool, it does no further harm and provides a sterile covering over burnt area. Bitumen plaque will detach itself as healing progresses. If solvent treatment is used, it should be followed by washing with soap and water, then application of re-fattening agent or skin cleansing cream. Only medically approved solvents may be used to remove bitumen from burns, as other solvents may cause further skin damage.

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media..... Dry chemical or CO2. Move containers from fire area if you can do it without risk.

Hazardous combustion products..... Carbon monoxide, carbon dioxide, hydrocarbons.

Special protective equipment and precautions Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Move containers from fire area if this can be done without risk. Cool tanks exposed to fire with water. Excessive use of water may spread the fire and can cause violent eruption of hot asphalt. When heated above its flashpoint or if held in storage at high temperatures, this material can release vapors, which can burn in the open or be explosive in confined spaces if exposed to ignition.

Further information..... Closed containers may explode when exposed to extreme heat.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Use personal protective clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Eliminate all sources of ignition. Ensure adequate ventilation. Restrict access to area until completion of clean up. Evacuate personnel to safe areas. Ensure clean up is conducted by trained personnel only. Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions..... Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods. Do not allow material to contaminate ground water system.

Methods and materials for containment and cleaning up In case of spill or leakage, allow to harden or solidify with inert absorbent material such as sand or soil, and shovel into properly labeled containers. Evaluate residue to determine if it is a hazardous waste by characteristic. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS .

SECTION 07: HANDLING AND STORAGE

Handling precautions..... Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only with adequate ventilation. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. For outdoor use, remain upwind of hot asphalt when possible. During storage or transit of hot asphalt, harmful concentration of hydrogen sulfide gas may accumulate in enclosed spaces. Open tank car hatches with caution. All equipment used when handling the product must be grounded. Maintain same precautions when gauging and sampling. .

Storage needs..... Material is normally stored in closed tanks at 121 to 190°C. Protect container from physical damage. Keep away from heat, sparks, flame and sources of ignition . Protect from sunlight. Assure proper ventilation of storage or shipping containers to prevent accumulation of hazardous concentrations of off-gassed hydrocarbon gas or hydrogen sulfide (H2S).

Materials to avoid..... Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
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Oxidized asphalt (bitumen)	0.5 mg/m3	not available	not available	not available	not available	not available
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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls.....	For normal application, special ventilation is not necessary. If user's operations generate vapours or fumes, use ventilation to keep exposure to airborne contaminants below the exposure limit. Facilities storing this material should be equipped with an eyewash facility and a safety shower. Have eye wash bottle or eye rinse ready at the work place.
Individual protection measures	
Eye/type.....	Use splash proof chemicals goggles or face shields when handling hot material.
Clothing/type.....	Wear clean long legged, long sleeved work clothes.
Gloves/type.....	Wear appropriate thermal resistant gloves and clothing when handling hot asphalt.
Respiratory/type.....	Not necessary unless exposure limits exceeded for asphalt fumes or hydrogen sulfide. If airborne limits are exceeded, use a NIOSH approved respiratory device.
Hygiene measures.....	Handle in accordance with good industrial hygiene and safety practice. Remove soiled clothing and wash it thoroughly before reuse. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance.....	plastic semi-solid when cold, viscous fluid when hot.
Color.....	black.
Odour.....	pine.
Odour threshold.....	not available.
pH.....	no data available.
Melting point (°C).....	not available.
Freezing point (°C).....	not available.
Initial boiling point (°C).....	>470 .
Flash point (°C), Method.....	274.
Evaporation rate.....	not available.
Upper flammability limit (% vol).....	not available.
Lower flammability limit (% vol).....	not available.
Vapour pressure (mm Hg).....	not available.
Vapour density (air=1).....	not available.
Relative density/Specific Gravity.....	not available.
Water solubility.....	insoluble.
Solubility in other solvents.....	not available.
Partition coefficient — n-octanol/water.....	not available.
Auto ignition temperature (°C).....	370.
Thermal decomposition temperature.....	not available.
Viscosity.....	not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity.....	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability.....	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions.....	No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
Conditions to avoid.....	Keep away from incompatibles such as oxidizing agents.
Incompatible materials.....	Acids, strong oxidizing agents.
Hazardous decomposition products.....	COx, SOx, NOx, smoke on combustion, hydrogen sulfide.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Oxidized asphalt (bitumen)	10-20 mg/l (inhalation-rat, 4H)	>2,000 mg/kg (oral-rat); >2,000 mg/kg (dermal-rabbit)
Routes of exposure		
Inhalation.....	Fumes from hot material can be unpleasant and may produce irritation of the upper respiratory tract, nausea, headaches, and dizziness. Prolonged exposure to hydrogen sulfide gas will diminish the sense of smell. Very high levels of hydrogen sulfide gas may lead to immediate loss of consciousness and even death.	
Ingestion.....	May be harmful if ingested: may cause mouth, throat and gastrointestinal tract irritation.	
Skin contact.....	Contact with hot product may cause thermal burns. Vapors of hot asphalt may cause skin irritation. Cool material may cause minor skin irritation. Prolonged or repeated contact may cause dryness and skin irritation.	
Eye contact.....	Contact with hot material may result in pain, tears, swelling, redness, blurred vision and thermal burns. Vapours of hot asphalt may cause eye irritation.	
Acute effects		
Acute oral toxicity.....	Acute toxicity estimate > 2,000 mg/kg. Virtually nontoxic after a single ingestion.	
Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Virtually nontoxic after a single skin contact.	

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute inhalation toxicity.....	Acute toxicity estimate : > 10 mg/l and < 20 mg/l. Test atmosphere: vapour. Exposure time: 4 h. Harmful if inhaled.
Skin corrosion/irritation.....	Contact with hot product may cause thermal burns. Vapours of hot asphalt may cause skin irritation.
Serious eye damage/eye irritation.....	Contact with hot material may result in pain, tears, swelling, redness, blurred vision and thermal burns. Vapours of hot asphalt may cause eye irritation.
Respiratory or skin sensitisation.....	Non-sensitizing.
Specific target organ toxicity (STOT) single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
Aspiration hazard.....	No aspiration hazard expected.
Chronic toxicity/effects	
Specific target organ toxicity (STOT) repeated exposure	No known significant effects or critical hazards.
Carcinogenicity.....	Oxidized asphalt is listed as IARC Group 2A (probably carcinogenic to humans).
Reproductive toxicity.....	No known significant effects or critical hazards.
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	May cause long-term adverse effects in the aquatic environment.
Persistence and degradability.....	Moderately persistent in the environment. The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.
Bioaccumulative potential.....	No data available.
Mobility in soil.....	No data available.
Other adverse effects.....	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	
Waste disposal of substance.....	In case of spill or leakage, allow to harden and shovel into properly labeled containers. Dispose of in accordance with national, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

TDG classification.....	UN 3257, Elevated temperature liquid, N.O.S., Class 9, PG III.
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SECTION 15: REGULATORY INFORMATION

WHMIS regulatory status.....	This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.
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SECTION 16: OTHER INFORMATION

Disclaimer.....	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 .
Prepared by:	CanChem Consultant
Preparation date.....	2019-09-04