



TIPCO ASPHALT PUBLIC COMPANY

Material Safety Data Sheet

(Premix)

**Material
Safety
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Sheet**

1. Product Data (Identification of the substance or mixture and of the supplier)

Trade Name	Tipco Premix
Chemical Name	Cold Mixed Asphalt
Use	Maintenance road or pavement
Manufacturer/Importer	Tipco Asphalt Public Company Limited
Address	118/1 Rama6 Rd, Phayathai, Phayathai, Bangkok 10400
Telephone Number	+66(0)2273-6000

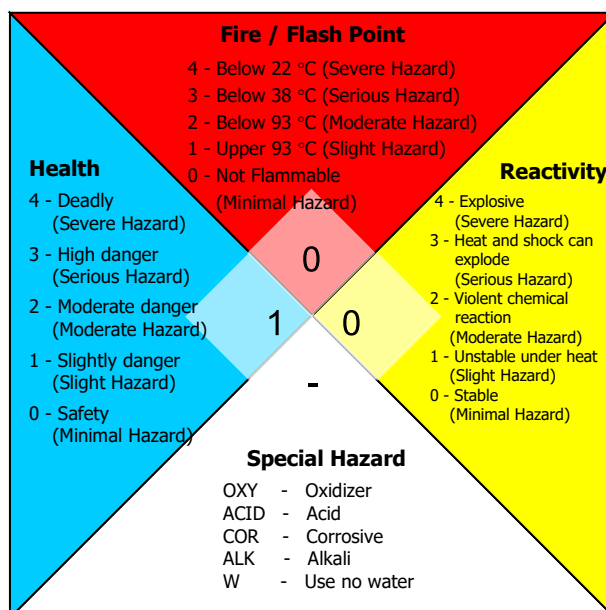
2. Hazards Identification

GHS SYMBOL (S)



WARNING! Causes skin irritation

NFPA Hazard Rating



Inhalation	Hydrogen Sulfide is highly flammable and toxic. This vapor can occur and accumulate in the upper part of the storage tank / truck bulk and any containers. Inhalation may cause the olfactory nerve become less sensitivity.
Skin	Contact with product may cause skin damage.
Eye contact	Heated material can cause thermal burn of the eyes or blinded.

Head Office : Tipco Tower 118/1 Rama 6 Rd. Phayathai, Phayathai Bangkok10400 Tel: +66 (0) 2273-6000, 0-2271-0205 Fax: +66 (0) 2273-6030, 0-2271-1601 www.tipcoasphalt.com

Factory : 259 Moo 8, Soi Ard.12032 Mittrapap Rd. Naklang Soongnern District, Nakhon Ratchasima 30380 Tel: +66 (0) 4433-5495-9 Fax: +66 (0) 4433-5495-9

: 271 Moo 15 Phitsanulok-Bangragum Rd., Bangragum, Bangragum District Phitsanulok 65140 Tel: +66 (0) 5537-1461-2, 0-5537-1581-2 Fax: +66 (0) 5537-1461-2, 0-5537-1581-2 Ext. 360

: 61 Moo 5 Soi Suksawat Rd., Bangchak Phrapradaeng District Samutprakarn 10130 Tel: +66 (0) 2463-0169-70, 0-2817-5111-5 Fax: +66 (0) 2817-5117



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3. Composition/Information on Ingredient

Manufacturing Information	Mixtures of the various components of the emulsion asphalt (CMS-2h) with aggregate or aggregate and additive.
U.N. Number	Not applicable
CAS Number	Not applicable
Cancer Material	Not applicable

4. First Aid Measure

Skin Contacting	<ul style="list-style-type: none"> - If contact with product, wash immediately with oil. - Remove contaminated clothing and shoes.
Eye Contacting	<p>Flush eyes with plenty of water at least 15 minutes.</p> <p>If irritation persists, seek medical attention immediately.</p>
Inhalation	<p>If breathing vapors or fumes then irritation to the nose or throat. Remove to fresh air. If symptoms persist, seek medical attention immediately. If breathing disorders / angina / malaise / vomiting or unresponsive, give artificial respiration with 100% oxygen before brought to the nearest hospital.</p>
Ingestion	<p>In normal condition of use, it's less likely to occur. If this happen, do not induce vomiting and seek medical attention immediately.</p>

5. Fire-Fighting Measures

Specific hazards arising from chemicals	<ul style="list-style-type: none"> - When the water lost to the flames. Rest material still will be able to burn. May have hazardous combustion products such as complicated compounds in solid phase and liquid phase which are suspended in air, carbon dioxide gas (fumes), and unknown organic / inorganic compounds.
Fire-fighting procedures	<ul style="list-style-type: none"> - Removing all persons who not involved from the vicinity of the incident .

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	- Use foam, water spray(fog), dry chemical, carbon dioxide and may be sand or soil for small fires.
Special Fire Precaution	- Do not use water jet. - Hazardous substances from burning such as complex compounds with suspend in the air, carbon monoxide and organic-inorganic compound. - Boil-over or violent eruption in the presence of water.
Protective measures for fire fighters	Should wear appropriate protection equipment such as glove, firefighting suite, chemical, breathing apparatus.

6. Accidental Release Measures

Personal precaution and Method for containment	Avoid skin contact, eyes contact and cloth contaminating. Don't inhale fumes or vapors. Move or eliminate all ignition sources around spillage area with well ventilation thorough the contaminated area.
Land Spill	Stop leaks or spreads with sand or soil and shovel into suitable containers and identify clearly in order to eliminate or rehabilitation by local law.
Water Spill	- Use sand, soil or other appropriate barricade to prevent entry into waterways, sewers, basements / confined areas or public water supply. - Alert the relevant authorities when materials entry into public water supply and scoop materials out of the water or absorb with appropriate absorbent.

7. Handling and Storage

Storage Temperature	Store at ambient temperature and less than 100°C
Transport Temperature	Ambient temperature
Loading/ Unloading Temperature	Ambient temperature
Material and Coating Suitable	Container should be made from plastic bag or PE as resistant the sun, sticky and strong.

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Storage/ Handling	Keep in specific area with adequate ventilation at ambient temp. Label clearly and close the cover tightly. Avoid store near heat sources.
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8. Exposure Controls/Personal Protection

 Hand Protection	Wear appropriate gloves with international standard certificate which can protect hazards from chemicals and can resist heat such as PVC or Nitrile gloves, and should replace the gloves once deteriorated.
 Respiratory Protection	If can't control concentrate of substance in air at level of safety acceptable, use respiratory protection equipment that suitable for working.
 Skin and Body Protection	Wear appropriate clothing and protective equipment such as gloves, boot, and apron that can be protected heat and chemicals.
 Eyes Protection	Wear goggle /glasses / face shield If possible to spill.

9. Physical and Chemical data

Boiling Point (°C)	Not applicable
Melting Point (°C)	Not applicable
Vapor Pressure	Not applicable
Solubility	Insoluble
Density	Not applicable
Appearance Color and Odor	Solid, dark brown to black color, Petroleum odor.
pH-Value	Not applicable

10. Stability and reactivity

Flash Point	Not applicable
Flammable limits	
- LEL %	Not applicable

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- UEL %	Not applicable
Auto ignition Temperature	Not applicable
Chemical Reactivity	Not applicable
Materials to Avoid	Water
Hazardous Decomposition Products	Hydrocarbon

11. Toxicological Information

<ul style="list-style-type: none"> Inhalation 	It's not considered to be harmful by inhalation under normal use. Avoid vapors from heated materials in order not to absorb toxic mist which can irritate respiratory.
<ul style="list-style-type: none"> Skin Contact 	Cause minor irritation, if contacted with materials which can damage inner skin layer.
<ul style="list-style-type: none"> Ingestion 	If victim is choking, it may cause chemical absorption into lung and will cause pneumonia.
<ul style="list-style-type: none"> Eyes Contact 	Cause minor irritation, but it is extreme contacted may result in severe corneal injury and/or blindness.
<ul style="list-style-type: none"> Chronic 	Asphalt products contain low intensity level of polycyclic aromatic compound. It's not classified to be substances that are easily absorbed by the body and not carcinogenic.

12. Ecological Information

Eco toxicity and Bioaccumulation	<ul style="list-style-type: none"> - Tend to accumulate in living organisms. - It's not expected to lower down the levels of ozone or to cause photochemical ozone creation / global warming.
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13. Disposal Considerations

Wastes Disposal Instructions	<ul style="list-style-type: none"> - Able to be recycled by re-processing. - Assess its toxicity and physical appearance of wastes in order to re-classify types and disposal instructions in accordance with all applicable regulation. - Prohibit to dispose into waterways, sewers, basements /
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	confined areas or public water supply.
Container Disposal Instructions	<ul style="list-style-type: none"> - Dispose in accordance with all applicable regulations by certified collectors or subcontractors. - Should assess collectors / subcontractors qualification and capability before accessing permissible. - Dispose in accordance with local rules and regulations.
14. Transport Information	
Under the rules of UN, IMDG, IATA	<p>It's not harmful in case transport at ambient temperature.</p> <p>It's not classified as hazardous materials.</p>
15. Regulatory Information	
Governing Directive	Hazardous Substance Act B.E. 2535
16. Other Information	
Disclaimer	<p>This MSDS was prepared in accordance with this specific product based on manufacturer database and does not assume any liability arising out of product use with other chemicals or other applications. The end user of the product has the responsibility for evaluating the adequacy of the data under these conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists.</p>