

Version : 1.0

530731
Mar 10, 2015

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID : 530731
Product Name : Flux Asphalt
Revision Date : Mar 10, 2015 **Date Printed :** Mar 30, 2015
Supersedes Date : N.A.
Manufacturer's Name : Cross Oil Refining & Marketing, Inc.
Address : 484 E. 6th Street Smackover, AR, US, 71762
Emergency Phone : CHEMTREC (800) 424-9300
Information Phone : 870-864-7800

Product/Recommended Uses: Roofing material, road paving, sound proofing, water proofing.

SECTION 2) HAZARDS IDENTIFICATION

Classification:

Acute Toxicity - Category 1 (Inhalation)

Carcinogenicity - Category 2

Pictograms:



Signal Word:

Danger.

Hazard Statements:

Fatal if inhaled.

Suspected of causing cancer.

Precautionary Statements - General:

Read label before use.

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Precautionary Statements - Prevention:

Use only outdoors or in a well-ventilated area.

Avoid breathing dust/fume/gas/mist/vapors/spray.

In case of inadequate ventilation, wear respiratory protection.

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.

Precautionary Statements - Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER or doctor.

Specific treatment is urgent (see Section 4 First Aid Measures on this SDS).

If exposed or concerned: Get medical advice/attention.

Precautionary Statements - Storage:

Store in a well ventilated place. Keep container tightly closed.

Store locked up.

Precautionary Statements - Disposal:

Dispose of contents/container to disposal recycling center.

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% by Weight
0008052-42-4	BITUMENS	88% - 100%

SECTION 4) FIRST-AID MEASURES

Inhalation:

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. If breathing has stopped, trained personnel should begin rescue breathing or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillator.

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment, use the buddy system).

Eye Contact:

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

High associated temperatures cause severe eye burns. Get medical attention immediately.

Skin Contact:

Rinse/wash with lukewarm, gently flowing water and mild soap for 5 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.

Hot material can cause burns to the skin. Get medical attention immediately.

If exposed or concerned: Get medical advice/attention.

Ingestion:

Not a likely occurrence.

Rinse mouth. If you feel unwell or if exposed or concerned: Call a POISON CENTER/doctor.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Dry chemical, foam, carbon dioxide, water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Water or foam may cause frothing. If leak or spill has not ignited, use water spray to cool the containers and to provide protection for personnel attempting to stop the leak.

Unsuitable Extinguishing Media:

Do not use water in a jet.

Specific Hazards in Case of Fire:

Hazardous combustion products may include: Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones.

Fire-fighting Procedures:

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Stay upwind and avoid smoke and fumes. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel.

Special protective actions:

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

WARNING: Product can burn in a fire.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure:

Immediately turn off or isolate any source of ignition. Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately. Contain spill. Collect with absorbent, non-combustible, inert material such as sand, sawdust, etc., into suitable containers. Dispose off according to federal, state and local regulations. Local authorities should be advised if significant spillages cannot be contained.

Ventilate area.

Recommended equipment:

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions:

Avoid breathing fumes. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Will not produce vapors unless heated to temperatures of ~300 °F.

Environmental Precautions:

Do not discharge into drains/surface waters/ groundwater. Retain and dispose of contaminated wash water.

SECTION 7) HANDLING AND STORAGE

General:

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

Ventilation Requirements:

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements:

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Hydrogen sulfide may accumulate in tanks and bulk transport compartments. Avoid vapors when opening hatches and dome covers. Confined spaces should be ventilated prior to entry.

WARNING: Transported at EXTREMELY HIGH temperature.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Eye protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

If handling hot material, use insulated protective equipment.

Respiratory protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Supplied air respiratory protection should be used for cleaning large spills or upon entry into tanks, vessels, or other confined spaces.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA-Tables-Z1,2,3	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen
BITUMENS												1

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis
BITUMENS		0.5			A4	A4; BEI	URT & eye irr

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	8.46200 lb/gal
% Solids By Weight	99.87000%
Density VOC	1.300000E-03 lb/gal
% VOC	0.01536%
VOC Actual	1.300000E-03 lb/gal
VOC Actual	0.15578 g/l
Specific Gravity	1.01397

Appearance	Black, semi-solid / solid
Odor Threshold	N.A.
Odor Description	Strong hydrocarbon odor
pH	N.A.
Flammability	Flash Point at or above 200 °F
Flash Point Symbol	N.A.
Flash Point	600 °F
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	63 mmHg
Vapor Density	1+
Water Solubility	Insoluble
Viscosity	75 cP @ 375 °F
Freezing Point	N.A.
Melting Point	N.A.
Low Boiling Point	1000+ °F
High Boiling Point	N.A.
Auto Ignition Temp	N.A.
Evaporation Rate	N.A.
Decomposition Pt	N.A.
Coefficient Water/Oil	N.A.
Flame Extension	N.A.
Molecular Weight	N.A.
VOC Composite Partial Pressure	N.A. (Calculated @ 20 C/68 F)

SECTION 10) STABILITY AND REACTIVITY

Stability:

Stable

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Evolves toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones when heated to combustion.

Incompatible Materials:

Reacts violently with strong oxidizers.

Conditions to Avoid:

Avoid heat, sparks, flame, build up of static electricity, contact with incompatible materials and dust generation.

SECTION 11) TOXICOLOGICAL INFORMATION

Acute Toxicity:

Inhalation: Fatal if inhaled.

Will not produce vapors unless heated to temperatures of ~300 °F.

Skin Corrosion/Irritation:

Extreme temperatures cause severe skin burns.

Serious Eye Damage/Irritation:

Extreme temperatures cause severe eye burns.

Carcinogenicity:

Suspected of causing cancer.

Reproductive Toxicity:

No data available.

Germ Cell Mutagenicity:

No data available.

Respiratory or Skin Sensitization:

No data available.

Specific Target Organ Toxicity - Single Exposure:

No data available.

Specific Target Organ Toxicity - Repeated Exposure:

No data available.

Aspiration Hazard:

No data available.

Potential Health Effects - Miscellaneous

0008052-42-4 BITUMENS

Is an IARC carcinogen. Occupational exposures to straight-run bitumens and their emissions during road paving are possibly carcinogenic to humans (Group 2B)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity:

This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration.

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration.

This product may cause gastrointestinal distress in birds and mammals through ingestion.

Persistence and Degradability:

Is rapidly biodegradable. Biodegradation is possible with 100 to 120 days in aerobic environments at temperatures above 70 °F (21 °C).

Bio-accumulative Potential:

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal:

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information:

Proper Shipping Name: Elevated Temperature Liquid, N.O.S.
Identification Number: UN 3257, PG III
Hazard Classification: 9

IMDG Information:

Proper Shipping Name: Elevated Temperature Liquid, N.O.S.
Identification Number: UN 3257, PG III
Hazard Classification: 9

Marine Pollutant : No

IATA Information:

Proper Shipping Name: Elevated Temperature Liquid, N.O.S.
Identification Number: UN 3257, PG III
Hazard Classification: 9

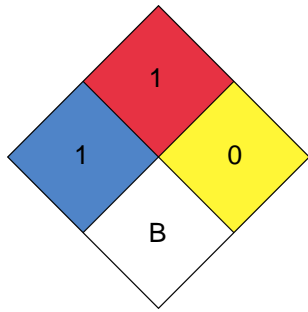
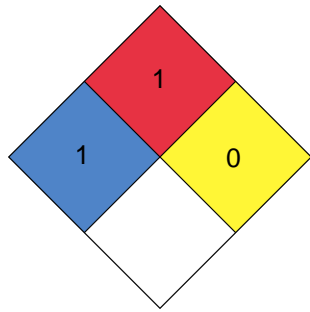
SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0008052-42-4	BITUMENS	88% - 100%	DSL,SARA312,TSCA,TX_ESL

SECTION 16) OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

Glossary:

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

HMIS**NFPA**

Chronic :



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