

MATERIAL SAFETY DATA SHEET

MAXphalt ASPHALT MSDS

FILE NO.:

DATE: 2/05/2013

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MAXphalt
SYNONYMS: ASPHALT (HOT/COLD MIX)
PRODUCT CODES: VARIOUS
MANUFACTURER: Crius Corp
ADDRESS: 601 Carlson Parkway Suite 900
Minnetonka, MN 55305

EMERGENCY PHONE: 877-251-8295
CHEMTREC PHONE:
OTHER CALLS: 952-697-2220
FAX PHONE: 952-697-2224

CHEMICAL NAME: N/A
CHEMICAL FAMILY: N/A
CHEMICAL FORMULA: N/A
PRODUCT USE: ASPHALT PAVEMENTS

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

AGGREGATES (LIMESTONE, GRAVEL, SLAG, NATURAL SAND, LIMESTONE SAND AND RECYCLED ASPHALT).

LIQUID ASPHALT .

| <u>CAS NO.</u> | <u>% WT</u> | <u>% VOL</u> |
|--------------------------|-------------|--------------|
| UNKNOWN AGGREGATES | 91 - 98 | |
| 8052-42-4 LIQUID ASPHALT | 2 - 9 | |

SARA 313 REPORTABLE: NO

| <u>OSHA PEL</u> | <u>ppm</u> | <u>mg/m3</u> |
|-----------------|------------|--------------|
| AGGREGATES | N/A | N/A |
| LIQUID ASPHALT | N/A | N/A |

| <u>ACGIH TLV</u> | <u>ppm</u> | <u>mg/m3</u> |
|------------------|------------|--------------|
| AGGREGATES | N/A | N/A |
| LIQUID ASPHALT | | 5 |

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: SKIN, INHALATION AND INGESTION.

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POTENTIAL HEALTH EFFECTS

EYES: IRRITATION, REDNESS.

SKIN: IRRITATION. MOLTEN MATERIAL CAN BURN.

INGESTION: GASTROINTESTINAL IRRITATION , NAUSIA, VOMITING, DIARRHEA.

INHALATION: INFLAMMATION OF LINING TISSUE.

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS: UNKNOWN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: UNKNOWN

CARCINOGENICITY

OSHA: NO

ACGIH: NO

NTP: NO

IARC: NO

OTHER:

SECTION 4: FIRST AID MEASURES

EYES: FLUSH WITH WATER FOR 15 MINUTES.

SKIN: WASH WITH SOAP AND WATER, COOL BURN AREA.

INGESTION: DO NOT INDUCE VOMITING. SEEK MEDICAL HELP.

INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: respiratory tract, skin and lung (asthma-like condition).

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR,

UPPER: UNKNOWN

LOWER: UNKNOWN

FLASH POINT:

F: >400

C: >204

AUTOIGNITION TEMPERATURE:

F: UNKNOWN

C: UNKNOWN

NFPA HAZARD CLASSIFICATION:

HEALTH: 0 FLAMMABILITY: 1 REACTIVITY: 0

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EXTINGUISHING MEDIA:

SPECIAL FIRE FIGHTING PROCEDURES: REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICAL.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR PRODUCT.

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM CARBON MONOXIDE, CARBON DIOXIDE, SULFUR OXIDES, HYDROGEN SULFIDE AND VARIOUS HYDROCARBONS.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: MATERIAL IS A SOLID OR SEMI SOLID AND NOT LIKELY TO SPILL OR FLOW.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTY. EMPTY CONTAINERS RETAIN RESIDUES. ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: PROVIDE SUFFICIENT MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

RESPIRATORY PROTECTION: MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGES IF EXCEEDING TLV(S)

EYE PROTECTION: CHEMICAL SPLASH GOGGLE. OSHA APPROVED FACE SHIELD.

SKIN PROTECTION: RUBBER, PVC OR OTHER IMPERVIOUS MATERIAL.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: MECHANICAL OR GENERAL.

WORK HYGIENIC PRACTICES: UNKNOWN

EXPOSURE GUIDELINES: UNKNOWN

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: SOLID / SEMI-SOLID

ODOR: SLIGHT PETROLEUM LIKE

PHYSICAL STATE: SOLID/SEMI-SOLID

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pH AS SUPPLIED: UNKNOWN

pH (Other): UNKNOWN

BOILING POINT:

F: N/A

C: N/A

MELTING POINT:

F: N/A

C: N/A

FREEZING POINT:

F: N/A

C: N/A

VAPOR PRESSURE (mmHg):

F: UNKNOWN

C: UNKNOWN

VAPOR DENSITY (AIR = 1):

F: UNKNOWN

C: UNKNOWN

SPECIFIC GRAVITY (H₂O = 1):

@ 77 F = 2.300 – 2.700

VAPORATION RATE:

BASIS (=1): UNKNOWN

SOLUBILITY IN WATER: N/A

PERCENT SOLIDS BY WEIGHT: 91 - 98

PERCENT VOLATILE BY WT/ BY VOL @ 77

F: < 1.0%

C:

VOLATILE ORGANIC COMPOUNDS (VOC): VOCs are non-detectable (report available)

WITH WATER: LBS/GAL

WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: UNKNOWN

VISCOSITY@:

F:

C:

SECTION 9 NOTES:

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE

INCOMPATIBILITY (MATERIAL TO AVOID): STRONG OXIDIZING AGENTS, WATER

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: MAY FORM CARBON DIOXIDE, CARBON MONOXIDE, HYDROGEN SULFIDE, SULFUR OXIDES AND VARIOUS HYDROCARBONS.

HAZARDOUS POLYMERIZATION: WILL NOT UNDERGO HAZARDOUS PLOYMERIZATION.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: UNKNOWN

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: UNKNOWN

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: NON-REGULATED

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION: N/A

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION: N/A

PROPER SHIPPING NAME:

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OTHER AGENCIES: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): NONE

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): 40 CFR 302.4(a): NONE

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): 40 CFR 372.65: NONE

311/312 HAZARD CATEGORIES: 40 CFR 370.2

IMMEDIATE (x) DELAYED (x) Fire () Reactive () SUDDEN RELEASE OF PRESSURE ().

313 REPORTABLE INGREDIENTS: NONE

STATE REGULATIONS: NONE

INTERNATIONAL REGULATIONS: NONE

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: PREPARED 2/05/13

DISCLAIMER: THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING FROM THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF THEIR NEED THAT THE INFORMATION IS CURRENT, APPLICABLE AND SUITABLE TO THEIR CIRCUMSTANCES.