



İstanbul

18.07.2018

Sayı

Our Reference : 2846

Konu

"2 Kalem Kimyasal Malzemenin Taşıttırılması İşine Ait

Subject

: Teklif İsteme Mektubu" Hk.

Sirküler: 434 /2018

Sayın Üyemiz,

Makine ve Kimya Endüstrisi Kurumu Genel Müdürlüğü İkmal Dairesi Başkanlığı'nın E.123589 sayı ve 17.07.2018 tarihli yazısı ile;

- Kurumlarının ihtiyacı olan "270 kg. Bitümlü Kaplama Astarı ve 1.293 kg. Hot-Melt Asfaltik Astar"ın sevke hazır olacağı, FOB New York Limanı/New Jersey ABD'den Evyap Limanı'na yazıları ekinde gönderilen "Doküman"a uygun olarak taşıttırılacağı,

- İstenilen bilgilerin eksiksiz doldurularak konu taşımaya ait tekliflerin, Verimesi Zorunlu Olan Belgelerle Birlikte kapalı zarfla elden veya posta yoluyla 23/07/2018 Pazartesi günü saat 15.00'a kadar Başkanlıklarına gönderilmesi, istenmektedir.

İlgi yazı ve ekleri Odamız web sayfasında "[www.denizticaretodasi.org.tr](http://www.denizticaretodasi.org.tr)" adresinde ana sayfada "Genel" "Ticari" ve "İhale" Duyuruları bölümlerinde yayınlanmaktadır.

Bilgi ve gereğini arz ve rica ederiz.

Saygılarımızla,

İsmail ASASOĞLU  
Genel Sekreter V.

Ek: İlgi yazı ve Ek'leri (20 sayfa – Web'te)

**GEREĞİ:**

- Tüm Üyeler (Web'te)
- Türk Armatörler Birliği
- S.S. Gemi Arm. Mot. Taş. Koop.
- Vapur Donatanları ve Acenteleri Derneği
- TAİS
- 13, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 29, 40, 27, 28 No.lu Meslek Grubu Üyeleri

**BİLGİ:**

- Makina ve Kimya Endüstrisi Kurumu  
Gen. Müd. İkmal Dairesi Başkanlığı
- Yönetim Kurulu Bşk. ve Üyeleri

Ayrıntılı Bilgi: Meryem ÇELİK

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## Mehmet KILIÇ

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**Kimden:** MKE İkmal Dairesi Supply <supply@mkek.gov.tr>  
**Gönderme Tarihi:** 17 Temmuz 2018 Salı 16:17  
**Konu:** 2 kalem Kimyasal Malzemenin Deniz Yolu ile Taşıttırılması İş  
**Ekler:** DOC120.pdf; Teklif Mektubu.pdf; MSDS-ASPHALTUM COMPOUND(1).pdf; MSDS-COATING COMPOUND, BI(1).pdf

**Önem:** Yüksek

Sayın Yetkili,

Kurumumuz ihtiyacı, 270 kg. Bitümlü Kaplama Astarı ve 1.293 kg. Hot-Melt Asfaltik Astar sevke hazır olup FOB New York/New Jersey ABD'den Evyap Limanına ekte verilen "Doküman"a uygun olarak taşıttırılacaktır.

Ekli tabloda istenilen bilgilerin konu taşımaya ait eksiksiz doldurularak tekliflerinizin, VERİLMESİ ZORUNLU OLAN BELGELERLE BİRLİKTE **kapalı zarfla elden veya posta yoluyla 23/07/2018 Pazartesi günü saat 15.00'a** kadar Başkanlığımıza gönderilmesini rica ederiz.

Saygılarımızla,

Sevgi BEKTAŞ  
Proje Alım. Şb. Md. V.

H. Serdar ERDEN  
İkmal Dairesi Başkan V.

**GİZLİLİK NOTU:** Bu mesaj ve ekleri mesajda gönderildiği belirtilen kişi/kişilere özeldir ve gizlidir. Bu mesajın muhatabı olmamanıza rağmen tarafınıza ulaşmış olması halinde mesaj içeriğinin gizliliği ve bu gizlilik yükümlülüğüne uyulması zorunluluğu tarafınız için de söz konusudur. Mesaj ve eklerinde yer alan bilgilerin doğruluğu ve güncelliği konusunda gönderenin ya da kurumumuzun herhangi bir sorumluluğu bulunmamaktadır. Kurumumuz mesajın ve bilgilerinin size değişikliğe uğrayarak veya geç ulaşmasından, bütünlüğünün ve gizliliğinin korunamamasından, virüs içermesinden ve bilgisayar sisteminize verebileceği herhangi bir zarardan sorumlu tutulamaz. © MKE Kurumu 2018



MAKİNA ve KİMYA ENDÜSTRİSİ KURUMU GENEL MÜDÜRLÜĞÜ  
İkmal Dairesi Başkanlığı



Sayı : 16363019-930[6810.PRJ.0081]-  
E.123589

17.07.2018

Konu : 2 kalem Kimyasal Malzemenin  
Taşıttırılması İşine Ait Teklif İsteme  
Mektubu

FİRMALARA

Sayın Yetkili,

Kurumumuz ihtiyacı, 270 kg. Bitümlü Kaplama Astarı ve 1.293 kg. Hot-Melt Asfaltik Astar sevke hazır olup FOB New York/New Jersey ABD'den Evyap Limanına ekte verilen "Doküman"a uygun olarak taşıttırılacaktır.

Ekli tabloda istenilen bilgilerin eksiksiz doldurularak konu taşımaya ait tekliflerinizin, **VERİLMESİ ZORUNLU OLAN BELGELERLE BİRLİKTE** kapalı zarfla elden veya posta yoluyla **23/07/2018 Pazartesi günü saat 15.<sup>00</sup>'a kadar** Başkanlığımıza gönderilmesini rica ederiz.



e-imzalıdır

Sevgi BEKTAŞ

Proje Alımları Şubesi Müdürü V.



e-imzalıdır

Hamdi Serdar ERDEN

İkmal Dairesi Başkanı V.

Ek :

- 1 - Verilecek Teklife Esas Doküman ve eki Taahhütname (4 sayfa)
- 2 - Güvenlik Bilgi Formu (Asfaltik Astar)
- 3 - Güvenlik Bilgi Formu (Bitümlü Kaplama Astarı)

Not: 5070 sayılı Elektronik İmza Kanunu gereği bu belge elektronik imza ile imzalanmıştır.



Evrak Doğrulama Kodu : YHZTYAEKUYFQFTDHLZJ Evrak Takip Adresi: <https://www.turkiye.gov.tr/mkek-ebys>  
Döğol Caddesi No:2 Anadolu(Tandoğan)Meydanı 06560 Ankara-TÜRKİYE  
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Bilgi için: Tuğba TANDIRCIOĞLU  
Memur  
Telefon No: (312) 296 15 49

TASNİF DIŐI



MAKİNA ve KİMYA ENDÜSTRİSİ KURUMU  
GENEL MÜDÜRLÜĐÜ  
ANKARA



VERİLECEK TEKLİFE ESAS DOKÜMAN

TAŐIMAYA KONU MALZEMENİN			
CİNSİ VE TUTARI	270 kg. Bitümlü Kaplama Astarı ve 1.293 kg. Hot-Melt Asfaltik Astar Toplam Mal Bedeli: USD. 62.828,10		
AMBALAJ DETAYLARI		Bitümlü Kaplama Astarı	Hot-Melt Asfaltik Astar
	Palet Adedi	1 adet	4 adet
	Palet Boyutları	112 cm x 122 cm x 76 cm	114 cm x 114 cm x 76 cm
	Toplam Brüt Ağırlık	340 Kg.	1.385 Kg.
	Toplam Net Ağırlık	270 Kg.	1.293 Kg.
		TESLİM ŐEKLİ:	FOB New York/New Jersey
YÜKLEME LİMANI	ABD New York/New Jersey Limanı	BOŐALTMA LİMANI	Evyap Limanı
<u>TAŐIMAYI YAPACAK GEMİNİN</u>			
IMO SERTİFİKASI NO.SU		P&I SİGORTASI	
BAYRAĐI		GEMİ ADI VE YAŐI	
**YÜKLEME LİMANI ETA'SI		**TAHLİYE LİMANI ETA'SI	
NAVLUN		TAHLİYE LİMANI MASRAFI	
ORDİNO		DEMURAJ	
DİĐER			
YÜKLEME SÜRESİ		BOŐALTMA SÜRESİ	
SAVAŐ SİGORTA SÜRPRİMİ		TOPLAM TAŐIMA BEDELİ *	

\*Tekliflerde yükleme, bosaltma vb. masraflar dahil Toplam Taőima Bedeli mutlaka belirtilecektir.

\*\* Tekliflerde Yükleme ve Tahliye Limanı Eta'ları mutlaka belirtilecektir.



MAKİNA ve KİMYA ENDÜSTRİSİ KURUMU  
İKMAL DAİRESİ BAŐKANLIĐI  
06330 Anadolu Meydanı- Ankara / TÜRKİYE  
Santral Tel : (0312) 296 10 00 -01  
Baőkanlık Tel : (0312) 296 11 30 Telefax : (0312) 223 01 40  
<http://www.mkek.gov.tr> e-mail: [supply@mkck.gov.tr](mailto:supply@mkck.gov.tr)

*Kahraman*

ISO 9001

NATO  
AQAP 2120

TASNİF DIŐI



**GENEL HUSUSLAR:**

1. Yükleme günü için ihracatçı ile mutabakat firmanızca sağlanacaktır. Yüklemede herhangi bir demuraj ya da ölü navlun söz konusu olmayacaktır. Yükleme Limanında sonradan oluşabilecek herhangi bir ardiye, ihracat detention vb. masraf Kurumumuz tarafından ödenmeyecektir.
2. Navlun varış tarihindeki T.C. Merkez Bankası döviz satış kuru üzerinden TL. olarak ödenecektir.
3. Malzemeyi taşıyacak geminin Class'lı (Türk Loydu veya IACS üyesi/yarı üyesi) olması zorunludur.
4. Gemi 35 yaşından küçük olacaktır. (Maksimum 34 yaşında olabilecektir.)
5. Süresi içerisinde gönderilmeyen teklifler dikkate alınmayacaktır.
6. Teklifinizde belirtilen ücretin dışında herhangi bir ödeme yapılmayacaktır.
7. Teklifinizde gemi adı, bayrağı, yükleme tarihi ve yaşı belirtilecektir.
8. Boşaltma Limanında MKE Kurumunun sorumluluğu; ilgili Acentenin liman işletmesine Özet Beyanı vermesini müteakip başlar.
9. Alınan teklif fiyatlarının eşit çıkması halinde etası erken olan gemilere ait teklif en uygun teklif olarak değerlendirilecektir.
10. Taşıma konusu eşyanın, ziyaa veya hasara uğramasından veya geç tesliminden doğan İdarenin tüm zararından yüklenici (Taşıyan) sorumlu olacaktır. Taşıyanın sorumluluğu sınırlayan Türk Ticaret Kanununda yer alan hükümler uygulanmayacaktır.
11. Bahse konu taşıma işi, Ceza ve Yasaklara ilişkin hükümler hariç, 4734 sayılı Kamu İhale Kanununa ve 4735 sayılı Kamu İhale Sözleşmeleri Kanununa tabi olmayıp, Kurumumuzca çıkarılan Satın Alma ve İhale Yönetmeliği hükümlerine göre yapılacaktır. İdare taşıma işini yapıp yapmamakta veya dilediğine vermekte serbesttir.

*Kahraman*





**DIĞER HUSUSLAR**

**1) TEKLİFLERİN SUNULMASI**

- a) Fiyat içeren teklif ile verilmesi zorunlu belgelerin tamamı bir zarfın içine konulacaktır.  
b) Zarfın üzerine  
- İsteklinin adı, soyadı veya ticaret unvanı ile tebligata esas açık adresi,  
- Teklifin hangi işe ait olduğu,  
- İdarenin açık adresi,

Yazılıp zarfın kapatılan yeri teklif imzalamaya yetkili kişi tarafından imzalanacaktır.

Yukarıda istenilen bilgiler yazılmamış olan teklif zarfları değerlendirmeye alınmayacaktır.

**2) İSTENİLEN BELGELER:**

- a) Zorunlu Belge/Belgeler:

Aşağıda belirtilen belgelerin teklifle birlikte sunulması zorunludur.

- ❖ Ekte sunulan Teyit Taahhütnamesi ve Taahhütnamede belirtilen;  
- Class Sertifikası veya yüklemenden önce verileceğine ilişkin taahhütname  
- P&I Belgesi veya yüklemenden önce verileceğine ilişkin taahhütname

**3) TEKLİFLERİN AÇILMASI**

Teklifler son teklif verme tarihi olan 23/07/2018 Pazartesi günü, saat 15.<sup>00</sup>'da açılacaktır.

**4) TEKLİFLERİN DEĞERLENDİRİLMESİ**

Teklifler belirtilen tarih ve saate kadar İdareye ulaşması kaydıyla; Kapalı zarfla elden veya posta yoluyla gönderilebilir.

**İRTİBAT BİLGİLERİ**

<u>İhracatçı Firma</u>	<u>Müessil Firma</u>
<b>MIL-SPEC INDUSTRIES CORP.</b> 42 Herb Hill Road Glen Cove NY 11542 USA Tel: + (516) 625 57 87 Faks: + (516) 625 09 88 E-Mail : info@mil-spec-industries.com İlgili Kişi: Ayşe ERGÜNER ayse@mil-spec-industries.com	<b>Dekimsa Ltd. Şti.</b> Kızılırmak Cad, 17/8, 06680, Kavaklıdere, Çankaya, Ankara İlgili Kişi: Noyan DİLEK, E-Mail: noyandilek@dekimsa.com Cep Tel: 0 532 617 63 00

- Ek: 1- Teyit Taahhütnamesi (1 sayfa)  
2- Güvenlik Bilgi Formları (2 takım – 14 sayfa)



*Kahraman*

**TASNİF DIŞI**



**MAKİNA ve KİMYA ENDÜSTRİSİ KURUMU  
GENEL MÜDÜRLÜĞÜ  
ANKARA**



**TAAHHÜTNAME**

6810.PRJ.0081 no.lu dosya konusu 270 kg. Bitümlü Kaplama Astarı ve 1.293 kg. Hot-Melt Asfaltik Astar sevke hazır olup FOB New York/New Jersey ABD'den Evyap Limanına nakliyesi ihalesine verdiğimiz teklifi; bu işe ait "Dokümanının" tamamını okuyup, inceleyip tüm şartlarını kabul ettikten sonra verdiğimiz teyit,

ve eğer teklifle birlikte sunulmamış ise;

- Class Sertifikasının,
- P&I Belgesinin,

yüklemeden önce

verileceğini taahhüt ederiz.

---/---/-----  
Ad, SOYAD/ Unvan (Kaşe)  
İmza

*Kahraman Çelik*



**MKE KURUMU GENEL MÜDÜRLÜĞÜ  
İKMAL DAİRESİ BAŞKANLIĞI**  
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**TASNİF DIŞI**



# MIL-SPEC INDUSTRIES CORP.

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42 Herb Hill Road • Glen Cove, NY 11542  
Tel: (516) 625-5787 • Fax: (516) 625-0988

## MATERIAL SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY INFORMATION

- 1.1 Product identifier**  
Product Name Coating Compound, BI  
Description Mil-DTL-450D, Composition L, Type II  
GHS Product Identifier Not applicable.  
Chemical Name Not applicable.  
CAS No. Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified use(s) Protective Coating  
Uses advised against None.
- 1.3 Details of the supplier of the safety data sheet**  
Manufacturer/Supplier Mil-Spec Industries Corp.  
42 Herb Hill Road  
Glen Cove, NY 11542  
(516) 625-5787  
Telephone Number
- 1.4 Emergency telephone number**  
Emergency Phone No. 1-800-255-3924 (US/Canada),  
+1-813-248-0585 (International)

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
OSHA HCS (29 CFR 1910.1200) NSN: 8030-00-290-5141
- 2.2 Label elements**  
Hazard Symbol Not applicable  
Hazard statement(s) Danger - Causes skin irritation.  
Flammable liquid and vapor.  
Precautionary statement(s) Wash hands and exposed skin after use.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
Avoid breathing vapors.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- 2.3 Other hazards**  
May cause drowsiness or dizziness.  
May be fatal if swallowed and enters airways.  
Toxic to aquatic life with long lasting effects.  
This product may give rise to hazardous fumes in a fire. - Hydrogen sulfide



## 2.4 Additional Information



NFPA Rating

HMIS RATING	
HEALTH	* 2
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	G

HMIS (Hazardous Material Information System)

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances - Not applicable

### 3.2 Mixtures

Hazardous ingredient(s)	% wt.	CAS No.	Hazard statement(s)
Ligroine	50%	8032-32-4	Highly flammable liquid and vapor. Causes skin irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.
Asphalt, oxidized*	45%	64742-93-4	Probably carcinogenic to humans.
Xylene	0 - 5%	1330-20-7	Flammable liquid and vapor. Harmful by inhalation and in contact with skin. Causes skin irritation.
Ethylbenzene	0 - 1%	100-41-4	Flammable liquid and vapor. Harmful by inhalation.

\*Contains: Polycyclic Aromatic Compounds (PACs). See Section: 15.

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

None

### 3.3 Additional information - None

## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Inhalation

Move person to fresh air. Apply artificial respiration if necessary. Administer oxygen if necessary. If symptoms occur obtain medical attention.

Skin Contact

Wash skin with soap and water. Molten material can cause severe burns. Do NOT try to peel molten material from the skin. Cool rapidly with water. If symptoms occur obtain medical attention.

Eye Contact

If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Get medical attention if eye irritation develops or persists.

Ingestion

Drink one glass of water. Do not give anything by mouth to an unconscious person. Do not induce vomiting. Call a physician (or poison control center immediately).

- |   |   |
|---|---|
| <b>4.2 Most important symptoms and effects, both acute and delayed</b>                | Treat patient as for inhalation. Hydrogen sulfide |
| <b>4.3 Indication of the immediate medical attention and special treatment needed</b> | None known  |

**SECTION 5: FIRE-FIGHTING MEASURES**

- |  |   |
|--|---|
| <b>5.1 Extinguishing media</b>                                   |   |
| -Suitable Extinguishing Media                                    | Extinguish preferably with foam, carbon dioxide or dry chemical.  |
| -Unsuitable Extinguishing Media                                  | Water spray should be used to cool containers. May react violently with water.  |
| <b>5.2 Special hazards arising from the substance or mixture</b> | Combustion causes toxic fumes. Combustion products: Hydrogen sulfide, Sulfur oxides, Carbon dioxide, Carbon monoxide  |
| <b>5.3 Advice for fire-fighters</b>                              | A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire. Keep upwind. |

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- |  |   |
|--|---|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Avoid contact with skin and eyes.   |
| <b>6.2 Environmental precautions</b>   | Do not allow to enter drains, sewers or watercourses.   |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Eliminate sources of ignition. Stop leak if safe to do so. Ensure adequate ventilation. Contain spillages with sand, earth or any suitable adsorbent material. Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorized waste disposal contractor. |
| <b>6.4 Reference to other sections</b>   | None.   |
| <b>6.5 Additional Information</b>  | None.   |

**SECTION 7: HANDLING AND STORAGE**

- |   |   |
|---|---|
| <b>7.1 Precautions for safe handling</b>                                | Eliminate sources of ignition. Avoid inhalation and contact with eyes or skin. Ensure adequate ventilation. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> |   |
| -Storage Temperature  | Keep in a cool, well ventilated place.  |
| -Incompatible materials   | Strong oxidizing agents.  |
| <b>7.3 Specific end use(s)</b>  | Protective Coating  |

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Control parameters**

#### **8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	(8hr TWA)		STEL		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Ligroine	8032-32-4	----	350 mg/m3	----	1800 mg/m3	
Asphalt, oxidized	64742-93-4	----	5 mg/m3	----	-----	Fume
Xylene	1330-20-7	100 ppm	100 ppm	----	150 ppm	
Ethylbenzene	100-41-4	100 ppm	20 ppm	----	----	

#### **8.1.2 Recommended monitoring method**

NIOSH 1501 & NIOSH 1550 & NIOSH 5042

### **8.2 Exposure controls**

#### **8.2.1 Appropriate engineering controls**

Keep container closed when not in use. Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapor etc.) below recommended exposure limits. Keep upwind.

#### **8.2.2 Personal protection equipment**

Eye/face protection



Wear protective eye glasses for protection against liquid splashes.

Skin protection (Hand protection/other)



Avoid skin contact. Wear suitable protective clothing and gloves. Gloves should be changed if excessive exposure has occurred.

Respiratory protection:



In case of inadequate ventilation wear respiratory protection. Use NIOSH approved respiratory protection.

Thermal hazards

Use gloves with insulation for thermal protection, when needed.

#### **8.2.3 Environmental Exposure Controls**

Do not discharge waste and/or cleaning water via public sewer system. Ensure waste is collected and contained.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

Appearance	Viscous liquid
Color	Black
Odor	Hydrocarbon solvent
Odor Threshold (ppm)	Not available.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	93-149 (200-300 °F)
Flash Point (°C)	13 (55 °F) [Closed cup]
Evaporation rate	Not available.

Flammability (solid, gas)	Not applicable.
Explosive limit ranges	Not applicable.
Vapor Pressure (Pascal)	Not determined.
Vapor Density (Air=1)	Not determined.
Density (g/ml)	0.8 - 1.0
Solubility (Water)	Negligible
Solubility (Other)	Not known
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not determined.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

**9.2 Other information**

Not available.

**SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable.
<b>10.3 Possibility of hazardous reactions</b>	May react violently with: Strong oxidizing agents, Water, Heat.
<b>10.4 Conditions to avoid</b>	Heat.
<b>10.5 Incompatible materials</b>	Oxidizers. May react violently with water.
<b>10.6 Hazardous Decomposition Product(s)</b>	Combustion causes toxic fumes. Combustion products: Hydrogen sulfide, Oxides of carbon, Sulfur oxides

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**11.1.1 Substances**

Not applicable

**11.1.2 Mixtures**

Acute toxicity	Not available.
Irritation	Not available.
Corrosivity	Not available.
Sensitization	Not available.
Repeated dose toxicity	Not available.
Carcinogenicity	Not available.
Mutagenicity	Not available.
Toxicity for reproduction	Not available.

**11.1.3 Substances in preparations / mixtures**

Ligroine (CAS No. 8032-32-4)

**Acute toxicity**

- Oral: LD50 > 5000 mg/kg (rat)
- Dermal: LD50 > 2000 mg/kg (rabbit)
- Inhalation: LC50 > 7630 mg/m<sup>3</sup> (rat)
- Causes skin irritation.
- It is not a skin sensitizer.

**Repeated dose toxicity**

- NOEL < 200 mg/m<sup>3</sup> (Dermal Irritation)
- NOAEC - 9640 mg/m<sup>3</sup> (Inhalation)

**Carcinogenicity:** No evidence of carcinogenicity.

Asphalt (CAS No. 64742-93-4)

**Carcinogenicity**

- Dermal tumors (mouse)
- Inhalation (rat): No evidence of carcinogenicity.

NTP	IARC	ACGIH	OSHA
No.	Group 2A; Probably carcinogenic to humans.	A4; Not classifiable as human carcinogen	No.

Xylene (CAS No. 1330-20-7)

**Acute toxicity**

- Oral LD50 (rat): 3523 mg/kg -bw (males), >4000 mg/kg-bw (females)
- Inhalation LC50 (rat), 4 hour(s): 27 - 29 mg/l
- Dermal LD50 (rabbit): >4200 mg/kg-bw
- Irritant: Irritating to eyes and skin.

**Repeated dose toxicity**

- NOEL(rat) oral, 13 week(s): 150 mg/kg
- NOAEC(rat): ≥810 ppm; 6 hour(s)/ Days, 5 days/week(s), 13 week(s).

**Carcinogenicity:** Probably not carcinogenic to humans.

Ethylbenzene (CAS No. 100-41-4)

**Acute toxicity**

- Oral LD50 (rat): ≈3500 mg/kg-bw
- Inhalation RD50 (mouse), 5 minutes, 50% reduction in reflex respiratory rate: 6.2 mg/l
- Dermal LD50 (rabbit): ≈15 g/kg-bw
- Irritant: Irritating to eyes and skin.

**Repeated dose toxicity**

- NOAEL (rat) oral, 28 days: 75 mg/kg-bw
- NOAEC (rat) Inhalation, 28 days: 800 ppm

**Carcinogenicity:** Probably not carcinogenic to humans.

11.2 Other information

None known.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

#### **Substances in preparations / mixtures**

Ligroine (CAS No. 8032-32-4)

- NOEL = 4.5 mg/l (96 hour) (*Oncorhynchus mykiss*)
- LL50 = 5.2 mg/l (14 days) (*Pimephales promelas*)
- EL50 = 4.5 mg/l (48 hour) (*Daphnia magna*)
- NOELR = 2.6 mg/l (21 days) (*Daphnia magna*)

Asphalt (CAS No 64742-93-4)

- Not harmful to aquatic organisms.

Xylene (CAS No. 1330-20-7)

- Fish: LC50 (96 hour) - 2.6 mg/l (*Oncorhynchus mykiss*)
- Fish: NOEC (56 days) - >1.3 mg/l (*Oncorhynchus mykiss*)
- Aquatic invertebrates: IC50 (24 hour(s)) - 1 mg/l (*Daphnia magna*)
- Aquatic plants: EC50 (73 hour(s)) - 1.9 mg/l (*Pseudokirchnerella subcapitata*)

Ethylbenzene (100-41-4)

- Fish: LC50 (96 hour) - 4.2 mg/l (*Oncorhynchus mykiss*)
- Aquatic invertebrates: EC50 (48 hour) - 1.8 - 2.4 mg/l (*Daphnia magna*)
- Aquatic plants: EC50 (72 hour) - 5.4 mg/l (*Pseudokirchnerella subcapitata*)

12.2 Persistence and degradability

The product is not biodegradable.

12.3 Bioaccumulative potential

The product has low potential for bioaccumulation.

**12.4 Mobility in soil**

- Asphalt (CAS No. 64742-93-4)
- Ligroine (CAS No. 8032-32-4)
- Xylene (CAS No. 1330-20-7)
- Ethylbenzene (CAS No. 100-41-4)

The substance has low mobility in soil.  
The substance has high mobility in soil.  
The substance has high mobility in soil.  
The substance has moderate mobility in soil.

**12.5 Results of PBT and vPvB assessment**

Not applicable

**12.6 Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

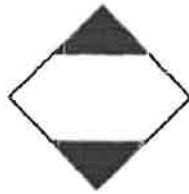
**13.2 Additional Information**

None known.

**SECTION 14: TRANSPORT INFORMATION**

**14.1 Ground or Water Domestic Voyage**

If shipped in 0.26 gallon cans (1L) or less:  
UN1263, Paint, 3, II, Ltd. Qty.



If shipped in 1 or 5 gallon pails (3.8L or 18.9L):  
UN1263, Paint, 3, II



If shipped in 55 gallon drums (208L) or bulk:  
UN1263, Paint, 3, II, (contains Benzo[a]pyrene and Benzo[b]fluoranthene), RQ



Non-bulk



Bulk

**14.2 Sea transport (IMDG)**

**If shipped in 13 gallon cans (5L) or less:**  
UN1263, Paint, 3, II, (13°C c.c.), Ltd. Qty.



**If shipped in 5 gallon pails (18.9L):**  
UN1263, Paint, 3, II, (13°C c.c.)



**If shipped in 55 gallon drums (208L):**  
UN1263, Paint, 3, II, (13° c.c.), (contains Benzo[a]pyrene and Benzo[b]fluoranthene), RQ



**14.3 Air transport (ICAO/IATA)**

**If shipped in 0.13 gallon cans (0.5L) or less and net per package 0.26 gallons (1L):**  
UN1263, Paint, 3, II, Ltd. Qty.



**If shipped in 1 or 5 gallon pails (3.8L or 18.9L):**  
UN1263, Paint, 3, II



## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

RCRA Hazardous Waste Number (40 CFR 261.33): F003, U239

US RCRA Hazard Class: Ignitable or Toxic Waste

#### Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	Qty <sup>^</sup> (Pounds)	Qty <sup>^</sup> (Gallons)
Xylene (mixed isomers)	1330-20-7	0 - 5	100	2,000	200

<sup>^</sup>Quantity of spill to reach RQ.      \*\*See Proposition 65 (California)\*

#### SARA 311/312 - Hazard Categories:

Fire     Sudden Release     Reactivity     Immediate (acute)     Chronic (delayed)

#### SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Xylene (mixed isomers)	1330-20-7	3.5-5.6
Polycyclic Aromatic Compounds (PACs)	Category No. N590	16.5

#### SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
----	----	----	----

Proposition 65 (California): "WARNING: This product contains chemicals known to the State of California to cause cancer." See above - \*\*

## SECTION 16: OTHER INFORMATION

### Additional Information

None

The following sections contain revisions or new statements: 1-16.

Date of Last Revision: December 1, 2014.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Mil-Spec Industries gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Mil-Spec Industries accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.





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## MATERIAL SAFETY DATA SHEET

HAZARD RATING	Fire
4 - EXTREME	1
3 - HIGH	Health 1 0 Reactivity
2 - MODERATE	
1 - SLIGHT	Special
0 - INSIGNIFICANT	

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ASPHALTUM COMPOUND

MANUFACTURER/SUPPLIER:

Mil-Spec Industries Corp.  
42 Herb Hill Road  
Glen Cove, NY 11542

TELEPHONE NUMBER: 1-516-625-5787  
EMERGENCY NUMBER: 1-800-255-3924 (US/Canada), +1-813-248-0585 (International)

### SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

DATE: August 25, 2011

Components	CAS #	Weight %	OSHA PEL	ACGIH TLV	Other Limits Recommended
Gilsonite	12002-43-6	0-30	N. A.	N. A.	None
Wax		2-25	N. A.	N. A.	None
Hazardous Components	CAS #	Weight %	OSHA PEL	ACGIH TLV	Other Limits Recommended
Asphalt	8052-42-4	50-98	N. E.	*5mg/m <sup>3</sup>	*5mg/m <sup>3</sup> (NIOSH)

\* = Exposure guidelines for Fumes from heating

N.E. -- Not Established  
N.A. = Not Applicable  
PEL = Permissible Exposure Limits  
TLV = Threshold Limit Value  
OSHA = Occupational Safety and Health Administration  
ACGIH = American Conference of Governmental Industrial Hygienists  
NIOSH = National Institute for Occupational Safety and Health

### SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects:

Thermal burns may result from contact with hot material

Fumes from hot material can be unpleasant and may cause nausea, headache, eye, and respiratory irritation.

Some asphalt contain sulfur compounds which may form hydrogen sulfide (H<sub>2</sub>S) when heated. The rotten eggs odor of H<sub>2</sub>S is unreliable as an indicator of concentration because it may be entirely masked by the odor of the asphalt. Signs and symptoms of overexposure to H<sub>2</sub>S include respiratory tract irritation, headaches, dizziness, nausea, gastrointestinal disturbance, coughing, a sensation of dryness and pain in the nose, throat and chest, confusion and unconsciousness. H<sub>2</sub>S concentrations of 700-1000 ppm can be extremely hazardous or fatal.

#### SECTION 4 - FIRST AID MEASURES

- Eye Contact: if the hot material should splash into the eyes, flush eyes immediately with plenty of water while holding the eyelids open. Seek medical attention.
- Skin Contact: If the hot material gets on skin, quickly cool in water. Get medical attention for extensive burns. DO NOT try to peel the solidified material from the skin or use solvents or thinners to dissolve it. The use of vegetable oil or mineral oil is recommended for removal of this material from the skin.
- Inhalation: If there are signs or symptoms as described in this MSDS due to breathing this material, move the person to fresh air. If breathing has stopped, apply artificial respiration and get medical attention.
- Ingestion: Since this material is not expected to be an ingestion problem, no first aid procedures are required.

#### SECTION 5 - FIRE FIGHTING MEASURES

- Flash Point (C.O.C.): 500°F (260°C) Minimum
- Dust Explosivity Limits: Not Applicable
- Extinguishing Media: Carbon dioxide (CO<sub>2</sub>), dry chemical, foam or water spray (fog).
- Fire Fighting Procedures: Minimize breathing vapors, gases or fumes of decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces.
- Unusual Fire Hazards: When heated above flash point, material will release flammable vapors which can burn or be explosive in confined spaces if ignited. Do not mix with strong oxidants such as liquid chlorine or concentrated oxygen.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition. Recover free product. Add sand, earth, or other suitable absorbent to spill area. Let cool and solidify. Scrape up into suitable containers.

Keep product out of sewers and waterways by diking or impounding. Advise authorities if product has entered or may enter sewers or waterways. Assure conformity with applicable governmental regulations.

#### SECTION 7 - HANDLING AND STORAGE

Health Studies have shown that many petroleum hydrocarbons pose potential human health risks which vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized. Use with adequate ventilation. Avoid prolonged and repeated contact with skin. Adhere to good hygienic practices. Avoid open flames.

Store in a cool, dry place, out of direct sunlight and away from heat, sparks and open flame.

Toxic quantities of hydrogen sulfide (H<sub>2</sub>S) may be present in storage tanks and bulk transport vessels which contain or have contained this material. Persons opening or entering these compartments should exercise caution.

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection: Use supplied-air respirator in confined areas or when vapors exceed TLV limits.

Ventilation:	Local Exhaust:	In enclosed areas. Special: None
	Mechanical:	In enclosed areas. Other: None
Eye Protection:		Safety glasses or face shield for hot material.
Protective Gloves:		Insulated for hot material.
Other Protective Clothing Equipment:		Long sleeves and impervious clothing to protect against splashed hot material.
Work/Hygienic Practices:		See Section 7.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Black solid, cold. Asphalt odor		
Vapor Pressure (mm Hg.) @ 20°C:	< 0.1		
Boiling Point °F IBP Approx.:	900	Evaporation Rate (Butyl Acetate =1) @ 77°F:	< 0.01
Melting Point °F (Ring & Ball):	150-400	Vapor Density (Air = 1):	> 5
Solubility in water:	Negligible	Flash Point (C.O.C.):	500°F Min.
Specific Gravity (H <sub>2</sub> O =1):	.95 – 1.05		

## SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Do not overheat product. Auto-ignition may occur if heated beyond 600°F.
Incompatibility (Materials to Avoid):	May react with strong oxidizing materials.
Hazardous Decomposition or Byproducts:	Combustion: carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), sulfur oxides (SO <sub>x</sub> ), hydrogen sulfide (H <sub>2</sub> S), smoke, fumes.
Hazardous Polymerization:	Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

The cool solid material is not expected to cause eye and skin irritation, nor is it expected to have acute systemic toxicity by ingestion.

See additional health data for hot material health effect.

Carcinogenicity:	NTP? <u>No</u>	IARC Monograph? <u>See Section 16</u>	OSHA Regulated? <u>No</u>
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**SECTION 12 - ECOLOGICAL INFORMATION**

EPA Hazard Classification Code:

Acute Hazard: \_\_\_\_\_ Chronic Hazard: \_\_\_\_\_ Fire Hazard: \_\_\_\_\_ Pressure Hazard: \_\_\_\_\_  
Reactive Hazard: \_\_\_\_\_ Not Applicable:  X

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state and federal regulations.

**SECTION 14 - TRANSPORTATION INFORMATION**

The Description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate regulations, for additional description requirements.

Solid: Non Hazardous, Non Regulated

Hot Liquid:

DOT Shipping Name: Asphalt  
DOT Label Information: Elevated temperature material, liquid, n.o.s. (asphalt)  
DOT Hazard Class: 9 (Miscellaneous)  
DOT ID Number: NA 3257  
DOT Packing Group: III

**SECTION 15 - REGULATORY INFORMATION**

SARA TITLE III - EPA Regulation 40 CFR 302 (CERCLA Section 102); CFR 355 (SARA Section 301-304);  
CFR 372 (SARA Section 311-3 13) - NOT APPLICABLE

EPA HAZARD CLASSIFICATION CODE: Acute Hazard/Chronic Hazard/Fire Hazard/Pressure Hazard/Reactive  
Hazard - NOT APPLICABLE.

TOSCA, CANADIAN DSL: All components of this product are on the TOSCA and DSL inventories.

## SECTION 16 - OTHER INFORMATION

### ADDITIONAL HEALTH DATA:

No association has been established between industrial exposure to petroleum asphalt and cancer in humans. The International Agency for Research on Cancer (IARC) has recently reviewed the carcinogenic potential of asphalts. They concluded that there was insufficient evidence that undiluted, air-refined asphalt was carcinogenic to animals, while there was only limited evidence that steam-refined asphalts were carcinogenic to animals. Additionally, there was insufficient evidence to conclude that asphalts were carcinogenic to human beings. Studies in which mice were exposed to a variety of whole asphalts did not result in any increased cancer rate, mice exposed to asphalts diluted with hydrocarbon solvents had increased incidence of certain types of cancer. Brief or intermittent skin contact with this asphalt product is not expected to produce any serious effects. While normal handling of this product is not likely to cause cancer in humans, skin contact and breathing of mists, fumes, or vapors should be reduced to a minimum. We strongly recommend that the precautions outlined in this MSDS be followed when handling this material.

Date of Last Revision: August 25, 2011.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The information has been completed to the best of our knowledge and is believed to be accurate and reliable as from the date indicated. However, no warranty is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his own particular use.