

**U G O V O R**  
**ZA NABAVKU MINERALNIH I SILIKONSKIH ULJA ZA RAD NA SISTEMU ZA**  
**INSPEKCIJU TEMPERATURNIH SENZORA**

**KZ 02/19**

Zaključen u Sarajevu dana 08.03.2019. godine između:

**KJKP „Toplane – Sarajevo“ d.o.o.**

sa sjedištem u Sarajevu, ul. Semira Frašte br. 22

koga zastupa direktor Admir Džubur (u daljem tekstu: **Kupac**)

Transakcijski račun: 154-001-20003337-76 (Intesa Sanpaolo banka d.d. Sarajevo)

PDV broj: 200353740001

i

**„MICOM BH“ d.o.o.**

sa sjedištem u Sarajevu, ul. Bačići br. 58

koga zastupa direktor Aldin Camović (u daljem tekstu: **Prodavac**)

Transakcijski račun: 161-000-00861800-49 (Raiffeisen bank d.d. Sarajevo)

PDV broj: 201551590003

## **PREDMET UGOVORA**

### **Član 1.**

Predmet ugovora je nabavka mineralnih i silikonskih ulja za rad na sistemu za inspekciju temperaturnih senzora prema obrascu za cijenu ponude za potrebe Kupca, a zaključuje se nakon provedenog postupka javne nabavke konkurentski zahtjev KZ 02/19, u skladu sa Odlukom o izboru najpovoljnijeg ponuđača broj: 03-03-01-210/19 od 27.02.2019. godine i ponudom zaprimljenom pod brojem 860/19 od 20.02.2019. godine, koja odgovara uslovima iz tenderske dokumentacije.

## **CIJENA I USLOVI PLAĆANJA**

### **Član 2.**

Ukupna vrijednost ugovorene robe iz Člana 1. ovog Ugovora iznosi:

**8.000,00 KM**

**(slovima: osamhiljada i 00/100 KM)**

Ugovorena vrijednost robe je bez uračunatog PDV-a.

### **Član 3.**

Prodavac se obavezuje da za isporučenu robu ispostavi račun u skladu sa Zakonom o PDV-om.

### **Član 4.**

Kupac se obavezuje da će izvršiti plaćanje u roku od 30 dana od dana prijema računa Prodavca.

## **ROK I MJESTO ISPORUKE**

### **Član 5.**

Prodavac je obavezan isporučiti robu u roku od maksimalno 45 dana od dana potpisivanja ugovora.

Kvantitativni i kvalitativni prijem robe treba biti pismeno potvrđen od strane Kupca.

Mjesto isporuke robe: Skladište KJKP „Toplane – Sarajevo“ d.o.o. Sarajevo, Gradačaka br.142

### **Član 6.**

Kupac ima pravo, da u slučaju sumnje u kvalitet isporučene robe, prilikom kvantitativnog i kvalitativnog prijema izvrši laboratorijsku kontrolu kvalitete isporučenih ulja. Kontrola će se izvršiti u akreditovanom laboratoriju a nalaz o kvaliteti će biti odlučujući da li će se kvalitativni prijem robe izvršiti.

### **Član 7.**

Prodavac se obavezuje da Kupcu isporuči robu u originalnim pakovanjima proizvođača. Originalna pakovanja moraju imati iskazane podatke o proizvodu i proizvođaču. Pakovanje mora biti fabrički zatvoreno .

## **PRELAZNE I ZAVRŠNE ODREDBE**

### **Član 8.**

Za sve što nije regulisano ovim ugovorom, primjenjivat će se odgovarajuće odredbe Zakona o obligacionim odnosima.



## UPRAVA

Broj: 03-03-01-210 /19

Sarajevo, 27.02.2019. godine

Na osnovu člana 64. stav 1., tačka b., člana 88. i člana 70. stav 1.,3. i 6. Zakona o javnim nabavkama („Službeni glasnik BiH“ broj 39/14), člana 8. Pravilnika o uspostavljanju i radu komisije za nabavke („Službeni glasnik BiH“ broj 103/14), Pravilnika o postupku nabavke broj PR/SN/01 od 24.02.2015. godine, na Preporuku Komisije za javnu nabavku broj: 02/19/5 od 27.02.2019. godine, direktor donosi:

## ODLUKU

- o izboru najpovoljnijeg ponuđača za nabavku -

### **KZ 02/19 – NABAVKA MINERALNIH I SILIKONSKIH ULJA ZA RAD NA SISTEMU ZA INSPEKCIJU TEMPERATURNIH SENZORA**

#### Član 1.

Prihvata se Preporuka o izboru najpovoljnijeg ponuđača Komisije za javne nabavke broj: 02/19/5 od 27.02.2019. godine i ugovor za javnu nabavku nabavka mineralnih i silikonskih ulja za rad na sistemu za inspekciju temperaturnih senzora – KZ 02/19 dodjeljuje ponuđaču:

„MICOM BH“ d.o.o. Sarajevo

prema ponudi broj: 860/19 od 20.02.2019. godine, za ponuđenu cijenu bez uračunatog PDV-a u iznosu od:

**8.000,00 KM**

kao najpovoljnijem ponuđaču.

#### Član 2.

Izabrani ponuđač je dužan da, u roku od 5 dana od dana prijema ove Odluke, dostavi originale ili ovjerene kopije dokumentacije iz člana 45. Zakona o javnim nabavkama (ukoliko ponuđač iste nije dostavio u svojoj ponudi).

#### Član 3.

Prijedlog ugovora o nabavci dostavit će se na potpis izabranom ponuđaču, najkasnije u roku od 10 dana, računajući od dana kada su svi ponuđači obaviješteni o izboru najpovoljnije ponude.

#### Član 4.

Ova odluka će biti objavljena na web-stranici [www.toplanesarajevo.ba](http://www.toplanesarajevo.ba), istovremeno s upućivanjem ponuđačima koji su učestvovali u postupku javne nabavke, shodno članu 70. stav 6. Zakona o javnim nabavkama.

#### Član 5.

Za izvršenje ove odluke zadužuje se i ovlašćuje Služba nabavke.



## Član 6.

Ova odluka stupa na snagu danom donošenja i dostavlja se svim ponuđačima koji su učestvovali u postupku javne nabavke, shodno članu 71. stav 2. Zakona o javnim nabavkama.

### Obrazloženje

Postupak javne nabavke pokrenut je Odlukom o pokretanju postupka javne nabavke broj: 03-03-01-123/19 od 04.02.2019. godine.

Javna nabavka je provedena putem **konkurentskog zahtjeva za dostavljanje ponuda**.

Obavještenje o nabavci broj: 160-7-1-19-3-22/19 poslato je na objavu dana 05.02.2019. godine, a objavljeno je na Portalu javnih nabavki dana 05.02.2019. godine u 15:27 sati.

Komisija za javnu nabavku imenovana je Odlukom broj: 03-03-01-124/19 od 04.02.2019. godine.

Nakon isteka roka za preuzimanje, tendersku dokumentaciju je preuzelo 6 (šest) ponuđača (u prilogu Izvještaj o preuzimanju tenderske dokumentacije od strane ponuđača sa Portala javnih nabavki [www.ejn.gov.ba](http://www.ejn.gov.ba)).

Nakon isteka roka za podnošenje ponuda evidentirano je da je putem protokola u zatvorenoj kovrti pristigla sljedeća ponuda:

1. „MICOM BH“ d.o.o. Sarajevo, broj protokola 860/19 datum 20.02.2019. godine u 14:21 sati

Dana 22.02.2019. godine u 14:00 sati, Komisija za javnu nabavku je izvršila javno otvaranje pristigle ponude sačinivši o tome Zapisnik sa otvaranja ponuda, te shodno članu 65. Zakona o javnim nabavkama, izvršila pregled i ocjenu pristigle ponude.

Uvidom u priloženu dokumentaciju i suštinskom provjerom sadržaja i validnosti dokumentacije, Komisija je utvrdila da pristigla ponuda ispunjava formalno – pravne i tehničke zahtjeve ugovornog organa odnosno da je prihvatljiva za ugovorni organ i da može biti predmet vrednovanja shodno utvrđenom kriteriju.

Tenderskom dokumentacijom predviđeno je zakazivanje e-aukcije, ali se shodno članu 3. stav 3. Pravilnika o uslovima i načinu korištenja e – aukcije („Službeni glasnik BiH“ broj: 66/16), u slučaju prijema jedne prihvatljive ponude, e – aukcija ne može zakazati i postupak se okončava u skladu sa članom 69. Zakona o javnim nabavkama.

Komisija za javnu nabavku dostavila je dana 27.02.2019. godine preporuku o izboru najpovoljnijeg ponuđača broj: 02/19/5 od 27.02.2019. godine zajedno sa izvještajem o radu broj: 02/19/4 od 27.02.2019. godine, zapisnikom o pregledu i ocjeni ponuda broj: 02/19/3 od 27.02.2019. godine o ocjeni, u postupku javne nabavke nabavka mineralnih i silikonskih ulja za rad na sistemu za inspekciju temperaturnih senzora – KZ 02/19.

U postupku, prema izvještaju o radu, utvrđeno je da je Komisija za javnu nabavku blagovremeno i pravilno izvršila otvaranje, pregled i ocjenu prispjele ponude, o čemu je sačinila odgovarajuće zapisnike, u kojima je utvrđeno sljedeće:

- da je ukupan broj pristiglih ponuda 1 (jedna).
- da je blagovremeno zaprimljena 1 (jedna) ponuda.
- da nema neblagovremeno zaprimljenih ponuda.
- da je ponuda ponuđača „MICOM BH“ d.o.o. Sarajevo prihvatljiva.
- da nema neprihvatljivih ponuda.

U postupku donošenja ove odluke, posebno su cijenjene činjenice da je Komisija, pravilno i potpuno, izvršila ocjenu kvalificiranosti ponuđača te ocjenu prispjele ponude, shodno kriteriju iz tenderske dokumentacije.



U postupku ocjene provedenog postupka, Uprava nije našla razloge, nepravilnosti niti propuste u radu, koji bi eventualno bili osnov za neprihvatanje preporuke Komisije za javnu nabavku.

Naime, u postupku je ocijenjeno da je Komisija u svemu pravilno postupila te da je izbor najpovoljnijeg ponuđača izvršen u skladu sa Zakonom o javnim nabavkama, podzakonskim aktima, internim aktima i tenderskom dokumentacijom.

Uvidom u priloženu dokumentaciju, nesporno je da je izabrani ponuđač najbolje ocijenjen, primjenjujući kriterij „**najniža cijena**“, te da je rang listu prihvatljivih ponuda / ponuđača slijedeća:

1. „MICOM BH“ d.o.o. Sarajevo,

sa ukupnom cijenom ponude u iznosu od **8.000,00 KM** bez uračunatog PDV-a.

Cijeneći navedenu rang listu i kriterij za vrednovanje, ugovor za nabavku mineralnih i silikonskih ulja za rad na sistemu za inspekciju temperaturnih senzora se dodjeljuje ponuđaču:

„MICOM BH“ d.o.o. Sarajevo

sa ukupnom cijenom ponude u iznosu od **8.000,00 KM** bez uračunatog PDV-a, odnosno

kao prvoplasiranom na rang listi jer sadrži najnižu cijenu.

Iz navedenih razloga, primjenom člana 64. stav 1. tačka b, člana 88 i člana 70. Zakona o javnim nabavkama te Pravilnika o postupku nabavke broj PR/SN/01 od 24.02.2015. godine, odlučeno je kao u dispozitivu.

#### POUKA O PRAVNOM LIJEKU:

Protiv ove odluke može se izjaviti žalba, najkasnije u roku od 5 (pet) dana od dana prijema ove odluke. Žalba se izjavljuje Uredu za razmatranje žalbi BiH u pisanoj formi, putem ugovornog organa, u najmanje 3 (tri) primjerka.

Direktor  
Admir Džubur

#### Dostaviti:

1. Ponuđaču: „MICOM BH“ d.o.o. Sarajevo
2. Službi nabavke a/a



6

ANEKS 3

## OBRAZAC ZA CIJENU PONUDE

NAZIV PONUĐAČA: MICOM BH d.o.o.Broj ponude: 19-PON-000145Datum: 22.02.2019

Strana \_\_\_\_\_ do \_\_\_\_\_

R. br.	Opis robe	J. mj.	Količina	Jedinična cijena bez uračunatog PDV-a (KM)	Ukupna cijena bez uračunatog PDV-a (KM)
1.	Mineralno ulje, pakovanje cca. 19 l	kom	2	1.500,00	3.000,00
2.	Silikonsko ulje, pakovanje cca. 19 l	kom	1	5.000,00	5.000,00
UKUPNA CIJENA BEZ URAČUNATOG PDV-a					8.000,00
POPUST: <u>0</u> %					0,00
UKUPNA CIJENA SA POPUSTOM BEZ URAČUNATOG PDV-a					8.000,00

## OSTALI USLOVI:

- ✓ Plaćanje: 30 dana od dana prijema računa.
- ✓ Rok isporuke robe: max. 45 dana od dana potpisivanja Ugovora.
- ✓ Mjesto isporuke robe: Skladište KJKP „Toplane – Sarajevo“ d.o.o. Sarajevo.

**MICOM BH**  
d.o.o.  
**SARAJEVO**

## Napomena:

1. Cijene moraju biti izražene u KM. Za svaku stavku u ponudi mora se navesti cijena.
2. Cijena ponude se iskazuje bez PDV-a i sadrži sve naknade i troškove koje ugovorni organ treba platiti ponuđaču (materijal, radna snaga, prevoz, troškovi osiguranja i slično). Ugovorni organ ne smije imati nikakve dodatne troškove osim onih koji su navedeni u ovom obrascu.
3. U slučaju razlike između jediničnih cijena i ukupnog iznosa, ispravka će se izvršiti u skladu sa jediničnim cijenama.
4. Jedinična cijena stavke se ne smatra računskom greškom, odnosno ne može biti ispravljena.
5. Ponuda obavezno mora sadržavati sve tražene podatke.

Mjesto i datum: Sarajevo, 22.02.2019.

**MICOM BH**  
d.o.o.  
**SARAJEVO**

Potpis i pečat ovlaštenog lica:

# BATH FLUIDS



Did you know there's a convenient source for small quantities of bath fluids for any temperature range? Why buy more than you need?

Hart Scientific carries a full line of bath fluids covering temperature ranges from -100°C to 550°C.

Viscosity, volatility, and other properties that change with temperature af-

fect the performance of fluids in controlled baths and circulators. Hart has tested and used each of the fluids we sell. Over the ranges recommended in the following table, each fluid remains at a low enough viscosity to be adequately pumped or stirred. Whether your application is industrial or critical lab calibration work, Hart fluids give you top performance and stability.

For temperature ranges too high for oils, we have a bath salt with a viscosity in the molten state similar

to the viscosity of water. For your convenience, it is shipped in a granular form, making it easy to fill your bath.

Between 150°C and 550°C, this salt has the highest temperature stability and uniformity available in a bath fluid. It does not smoke like oils or give off dust like "sand" or fluidized alumina baths.

Check with your bath manufacturer before using this salt to make sure your equipment is compatible. Hart offers three standard bath models and custom-designed units for use with this salt.

## Fluid Specifications

It's important to understand a few specifications before selecting a bath fluid. We've seen bath fluids advertised with a temperature range that spans from the freezing point to the flash point or beyond.

For example, type 710 silicone oil has a freezing point of -22°C, but freezing point has nothing to do with the point at which the oil becomes so thick it cannot be properly stirred. Type 710 oil should really only be used down to about 80°C. It's a viscosity issue, not a freezing-point issue. Usable range is the question. Suitability for calibration work is the specification that counts.

The usable viscosity range is determined by your bath's stirring or pumping design. Hart baths can be operated using fluids with up to 50 centistokes viscosity. This gives you additional usable

## Ordering Information

Fluid	Usable Range <sup>§</sup>	Flash Point <sup>†</sup>	Model #	Price 1 gal.	Price 5 gal.
Halocarbon 0.8 Cold Bath Fluid	-100°C to 70°C	n/a	5019		
Dynalene HF/LO*	-65°C to 58°C	60°C	5022		
Ethylene Glycol (Mix 1:1 with water)	-30°C to 90°C	n/a	5020		
Silicone Oil Type 200.05	-40°C to 130°C	133°C	5010		
Silicone Oil Type 200.10	-30°C to 160°C	163°C	5012		
Silicone Oil Type 200.20	10°C to 230°C	232°C	5013		
Silicone Oil Type 200.50	30°C to 278°C	280°C	5014		
Silicone Oil Type 550	70°C to 228°C	230°C	5016		
Silicone Oil Type 710	80°C to 300°C	302°C	5017		
Mineral Oil	10°C to 175°C	177°C	5011	n/a	
Bath Salt, 125 lb. ‡ Potassium Nitrate 53% Sodium Nitrite 40% Sodium Nitrate 7%	180°C to 550°C	n/a	5001	n/a	

<sup>§</sup> Atmospheric pressure affects the usable ranges of some fluids. The temperatures quoted are at sea level.

<sup>†</sup> Flash point is the temperature at which a vapor (not the fluid) will ignite if exposed to an open flame. When the flame is removed, the vapor will stop burning. (Open cup method.)

\*Electrical resistivity is greater than 20 MΩ-cm.

‡125 lb. bath salt fills a 7.9-gallon tank.

MSDS available at [www.hartscientific.com](http://www.hartscientific.com)

Baths

MA 361  
TV  
VNA PARS  
M

# BATH FLUIDS

range in the lower temperature levels of the fluid.

Some baths advertised as calibration baths require fluids with 10 centistokes or less viscosity to operate properly. The usable ranges in our table on the previous page assume the use of a Hart bath.

In addition to range and viscosity issues, there are a number of other issues to consider when choosing a bath fluid. The other considerations are:

- Thermal characteristics

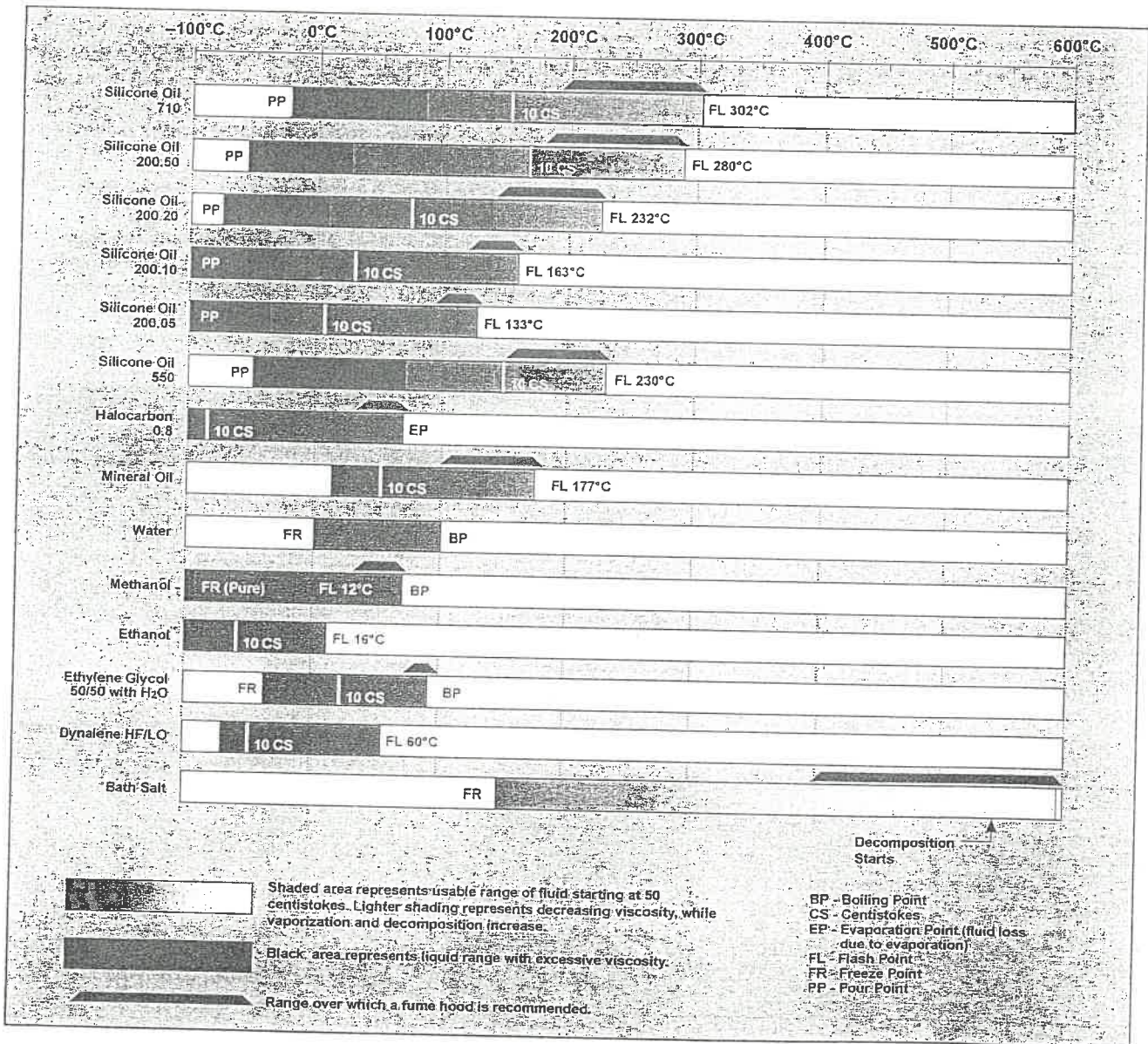
- Lifetime
- Change in characteristics due to temperature cycling
- Absorption of water from the air
- Vaporization—fumes and fume hood requirements
- Expansion due to heat
- Contamination—mixing oils or introducing contamination with unclean probes
- Conductivity properties

- Effects of using fluids outside of their range—fire, explosion, polymerization
- Effects of altitude on boiling point

Call us and we'll discuss your fluid requirements for your operating needs.



Get the latest product information at [www.hartscientific.com](http://www.hartscientific.com)



NUMBER:  
 PE184  
 THE UPLOA  
 DRAGE  
 HART SC  
 799 EAS  
 AMERIC  
 WATERS &  
 CARILLO  
 ER ENERGE  
 PRODUCT NAM  
 (KOL (R)  
 S #: PE:  
 PRODUCT  
 CAS NUY  
 TRADE I  
 SYNONY  
 WHIT  
 NFPA 4  
 DEGREE  
 HI  
 REACT



Fluke 5011

21

UIDS

NUMBER: 703  
PE184

VAN WATERS & ROGERS INC.  
MATERIAL SAFETY DATA SHEET

PAGE: 001

UPLOAD DATE: 01/25/93

VERSION: 001

DRAKEOL(R) 7

ORDER NO: 203162

PROD NO : 303352

s outside of  
losion,

ling

y ur fluid  
needs.

formation at

HART SCIENTIFIC  
799 EAST UTAH VALLEY DR.

AMERICANFORK, UT 84003

WATERS & ROGERS INC. , A ROYAL PAKHOED COMPANY (425)889-3400  
CARILLON POINT , KIRKLAND , WA 98033

----- EMERGENCY ASSISTANCE -----

EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL - CHEMTREC  
(800)424-9300

PRODUCT NAME:  
DRAKEOL(R) 7

PE184

PRODUCT IDENTIFICATION

CAS NUMBER: 8042-47-5

TRADE NAME: DRAKEOL(R) 7

SYNONYMS:  
WHITE MINERAL OIL

NFPA HAZARD IDENTIFICATION

DEGREE OF HAZARD HAZARD RATINGS

HEALTH: 0	0 - LEAST
FIRE: 1	1 - SLIGHT
REACTIVITY: 0	2 - MODERATE
	3 - HIGH
	4 - EXTREME

22

REPORT NUMBER: 703

VAN WATERS & ROGERS INC.  
MATERIAL SAFETY DATA SHEET

PAGE: 002

MSDS NO: PE184

MAINFRAME UPLOAD DATE: 01/25/93

VERSION: 001

PRODUCT: DRAKEOL(R) 7

ORDER NO: 203162  
PROD NO : 303352

II. INGREDIENTS

COMPONENT NAME CAS NUMBER	HAZARDOUS		PERCENTAGE MIN MAX	COMPONENT EXPOSURE LIMITS	UNITS
	IN BLEND				
WHITE MINERAL OIL 8042-47-5	NO		100.00	OSHA PEL ACGIH TLV	NO LIMIT NO LIMIT

III. HEALTH EFFECT INFORMATION

EYE CONTACT:

THIS PRODUCT IS MINIMALLY IRRITATING TO THE EYES UPON DIRECT CONTACT. BASED ON TESTING OF SIMILAR PRODUCTS AND/OR COMPONENTS.

SKIN CONTACT:

THIS PRODUCT IS NOT EXPECTED TO CAUSE ANY SKIN IRRITATION UPON DIRECT SINGLE OR REPEATED AND PROLONGED CONTACT; HOWEVER, SIMILAR CHEMICAL COMPOSITION PRODUCTS APPLIED TO THE SKIN OF LABORATORY ANIMALS RESULTED IN MINIMAL TO SLIGHT DERMAL IRRITATION.

INHALATION:

THIS PRODUCT HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS. CAUTION SHOULD BE TAKEN TO PREVENT AEROSOLIZATION OR MISTING OF THIS PRODUCT. THE PERMISSABLE EXPOSURE LIMIT (PEL) AND THRESHOLD LIMIT VALUE (TLV) FOR THIS PRODUCT AS OIL MIST IS 5 MG/M3. EXPOSURES BELOW 5 MG/M3 APPEAR TO BE WITHOUT SIGNIFICANT HEALTH RISK. THE SHORT-TERM EXPOSURE LIMIT FOR THIS PRODUCT AS AN OIL MIST IS 10 MG/M3. SEE HEALTH DATA SECTION BELOW.

INGESTION:

INGESTION IS RELATIVELY NON-TOXIC UNLESS ASPIRATION OCCURS. ASPIRATION MAY LEAD TO CHEMICAL PNEUMONITIS WHICH IS CHARACTERIZED BY PULMONARY EDEMA AND HEMORRHAGE AND MAY BE FATAL. SIGNS OF LUNG INVOLVEMENT INCLUDE INCREASED RESPIRATORY RATE, INCREASED HEART RATE, AND A BLuish DISCOLORATION OF THE SKIN. COUGHING, CHOKING, AND GAGGING ARE OFTEN NOTED AT THE TIME OF ASPIRATION. GASTROINTESTINAL DISCOMFORT MAY DEVELOP, FOLLOWED BY VOMITTING WITH A FURTHER RISK OF ASPIRATION. THIS PRODUCT HAS LAXATIVE PROPERTIES AND MAY RESULT IN ABDOMINAL CRAMPS AND DIARRHEA. SEE HEALTH DATA SECTION BELOW.

HEALTH DATA:

EXPOSURE TO A LARGE SINGLE DOSE, OR REPEATED SMALL DOSES OF MINERAL OIL BY INHALATION, ASPIRATION OR INGESTION LEADING TO ASPIRATION CAN LEAD TO LIPID PNEUMONIA OR LIPID GRANULOMA. THESE ARE LOW-GRADE, CHRONIC, LOCALIZED TISSUE REACTIONS WHICH ARE NOT FATAL. SHORTNESS OF BREATH AND

NUMBER: 703

VAN WATERS & ROGERS INC.  
MATERIAL SAFETY DATA SHEET

PAGE: 003

PE184

UPLOAD DATE: 01/25/93

VERSION: 001

DRAKEOL(R) 7

ORDER NO: 203162  
PROD NO : 303352

OUGH ARE THE MOST COMMON SYMPTOMS.  
THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CONCLUDED THAT  
HIGHLY REFINED MINERAL OILS ARE GROUP 3 SUBSTANCES, "NOT CLASSIFIABLE AS  
THEIR CARCINOGENICITY TO HUMANS," BASED ON INADEQUATE HUMAN AND  
INADEQUATE ANIMAL EVIDENCE. IARC HAS ALSO CONCLUDED THAT THERE IS NO  
EVIDENCE FOR THE CARCINOGENICITY TO EXPERIMENTAL ANIMALS OF WHITE OILS  
WHEN ADMINISTERED BY ROUTES OTHER THAN BY INTRAPERITONEAL INJECTION. THIS  
SUBSTANCE IS NOT CARCINOGENIC ACCORDING TO THE OSHA HAZARD COMMUNICATION  
STANDARD.

EMERGENCY AND FIRST AID PROCEDURES

CONTACT:

IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE FLUSHING  
UNTIL IRRITATION SUBSIDES. IF MATERIAL IS HOT, TREAT FOR THERMAL BURNS AND  
TAKE VICTIM TO HOSPITAL IMMEDIATELY.

SKIN CONTACT:

REMOVE CONTAMINATED CLOTHING. IF MATERIAL IS HOT, SUBMERGE INJURED AREA IN  
COLD WATER. IF VICTIM IS SEVERELY BURNED, REMOVE TO A HOSPITAL  
IMMEDIATELY.

INHALATION:

THIS MATERIAL HAS A LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN  
INHALATION EXPOSURE AT AMBIENT CONDITIONS.

INGESTION:

MAY ACT AS A LAXATIVE. DO NOT INDUCE VOMITING. DO NOT INDUCE VOMITING DUE  
TO ASPIRATION HAZARD. IF VOMITING OCCURS LOWER HEAD BELOW KNEES TO AVOID  
ASPIRATION. SEEK IMMEDIATE MEDICAL ATTENTION.

PERSONAL HEALTH PROTECTION INFORMATION

EYE PROTECTION:

EYE PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF MATERIAL  
IS HANDLED SUCH THAT IT COULD BE SPLASHED INTO EYES, WEAR PLASTIC FACE  
SHIELD OR SPLASH-PROOF SAFETY GOGGLES.

SKIN PROTECTION:

NO SKIN PROTECTION IS REQUIRED FOR SINGLE, SHORT DURATION EXPOSURES. FOR  
PROLONGED OR REPEATED EXPOSURES, USE IMPERVIOUS CLOTHING (BOOTS, GLOVES,  
APRONS, ETC.) OVER PARTS OF THE BODY SUBJECT TO EXPOSURE. IF HANDLING HOT  
MATERIAL, USE INSULATED PROTECTIVE CLOTHING (BOOTS, GLOVES, APRONS, ETC.).

RESPIRATORY PROTECTION:

RESPIRATORY PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF  
VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, USE AN  
ORGANIC VAPOR RESPIRATOR WITH A DUST AND MIST FILTER. ALL RESPIRATORS MUST

24  
REPORT NUMBER: 703

VAN WATERS & ROGERS INC.  
MATERIAL SAFETY DATA SHEET

PAGE: 004

MOUS NO: PE184

MAINFRAME UPLOAD DATE: 01/25/93

VERSION: 001

PRODUCT: DRAKEOL(R) 7

ORDER NO: 203162

PROD NO : 303352

BE NIOSH CERTIFIED. DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON  
ATMOSPHERES.

VENTILATION:

IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED,  
ADEQUATE VENTILATION IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE MUST BE  
PROVIDED TO MAINTAIN CONCENTRATIONS BELOW THE SPECIFIED EXPOSURE OR  
FLAMMABLE LIMITS.

OTHER:

CONSUMPTION OF FOOD AND BEVERAGE SHOULD BE AVOIDED IN WORK AREAS WHERE  
HYDROCARBONS ARE PRESENT. ALWAYS WASH HANDS AND FACE WITH SOAP AND WATER  
BEFORE EATING, DRINKING, OR SMOKING.

VI. FIRE PROTECTION INFORMATION

FLASH POINT: 335 F

TEST METHOD: C.O.C.

AUTOIGNITION TEMPERATURE: NO DATA

TEST METHOD: NO DATA

FLAMMABLE LIMITS IN AIR % BY VOLUME

LOWER: NO DATA

UPPER: NO DATA

EXTINGUISHING MEDIA:

USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS EXPOSED TO  
HEAT OR FLAME. CAUTION SHOULD BE EXERCISED WHEN USING WATER OR FOAM AS  
FROTHING MAY OCCUR, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING  
LIQUID.

UNUSUAL FIRE AND EXPLOSIVE CONDITIONS:

DENSE SMOKE MAY BE GENERATED WHILE BURNING. CARBON MONOXIDE, CARBON  
DIOXIDE, AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION.

VII. REACTIVITY DATA

STABILITY (THERMAL, LIGHT, ETC.): STABLE

CONDITIONS TO AVOID: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY MATERIALS TO AVOID:

MAY REACT WITH STRONG OXIDIZING AGENTS.

NUMBER: 70  
PE184  
RE UPLOAD

DRAKEOL

GROUPS OF  
THE

ENVIRONMENT

IS TO BE  
CONSULT  
PROTECTIVE  
SECTION 1  
AUTHORITY  
ENTER SE  
APPROPRI  
CHECKED L  
IN DRUGS

THE DIS  
ALL DIS  
MATERIAL  
STATE &  
CLEAN U  
REPARTI  
THIS M  
MACHINE  
MISSE

MISCELL

ADLIN  
DO NO  
FROM  
CLASS  
BE X  
COMB

NOIT  
TAT  
REP

THE

AYS

NOI  
EL  
APP  
DC  
VA

NUMBER: 703  
NO: PE184  
DATE UPLOAD DATE: 01/25/93

VAN WATERS & ROGERS INC.  
MATERIAL SAFETY DATA SHEET

PAGE: 005

VERSION: 001

CT: DRAKEOL(R) 7

ORDER NO: 203162  
PROD NO : 303352

HAZARDOUS DECOMPOSITION PRODUCTS:  
NONE

ENVIRONMENTAL PRECAUTIONS

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:  
CONSULT HEALTH EFFECT INFORMATION IN SECTION III, PERSONAL HEALTH PROTECTION INFORMATION IN SECTION V, FIRE PROTECTION INFORMATION IN SECTION VI, AND REACTIVITY DATA IN SECTION VII. NOTIFY APPROPRIATE AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, OR OTHER MEANS AND PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

WASTE DISPOSAL METHOD:

ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. CAUTION! IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS MAY APPLY FOR TRANSPORTING THIS MATERIAL WHEN SPILLED. WASTE MATERIAL MAY BE LANDFILLED OR INCINERATED AT AN APPROVED FACILITY. MATERIALS SHOULD BE RECYCLED IF POSSIBLE.

MISCELLANEOUS

HANDLING AND STORAGE REQUIREMENTS:

DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS. THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS UNDER DOT REGULATIONS. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE. SEE NFPA 30 AND OSHA 1910.106--FLAMMABLE AND COMBUSTIBLE LIQUIDS.

ADDITIONAL INFORMATION:

THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY SARA TITLE III, SECTION 313 REPORTABLE CHEMICALS AT OR GREATER THAN 1.0% (0.1% FOR CARCINOGENS).

THIS PRODUCT IS ON THE TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY.

PHYSICAL PROPERTIES

BOILING POINT: 580 F - 600 F  
MELTING POINT: N/A  
APPEARANCE: CLEAR LIQUID  
ODOR: ODORLESS  
VAPOR PRESSURE: < 1MM HG @ 70 F

26

REPORT NUMBER: 703  
MSDS NO: PE184  
MAINFRAME UPLOAD DATE: 01/25/93

VAN WATERS & ROGERS INC.  
MATERIAL SAFETY DATA SHEET

PAGE: 006  
VERSION: 001

PRODUCT: DRAKEOL(R) 7

ORDER NO: 203162  
PROD NO : 303352

SOLUBILITY: SOLUBLE IN HYDROCARBONS  
PERCENT VOLATILE: NIL @ AMBIENT TEMP.  
VAPOR DENSITY (AIR=1): N/A  
EVAPORATION RATE (EE=1): < 1  
SPECIFIC GRAVITY: APPR. 0.84 @ 60/60 F  
MOLECULAR WEIGHT: VARIES

(R) INDICATES A REGISTERED TRADEMARK OF PENRECO, A DIVISION OF PENNZOIL PRODUCTS COMPANY.

(TM) INDICATES A TRADEMARK OF PENRECO, A DIVISION OF PENNZOIL PRODUCTS COMPANY.

----- FOR ADDITIONAL INFORMATION -----

CONTACT: MSDS COORDINATOR VAN WATERS & ROGERS INC.  
DURING BUSINESS HOURS, PACIFIC TIME (425)889-3400

08/12/97 06:26 PRODUCT: 303352 CUST NO: 293641 ORDER NO: 203162

----- NOTICE -----

\*\* VAN WATERS & ROGERS INC. ("VW&R"), A ROYAL DUTCH/HELLER COMPANY, EXPRESSLY

DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR

A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT OR INFORMATION PROVIDED

HEREIN, AND SHALL UNDER NO CIRCUMSTANCES BE LIABLE FOR INCIDENTAL OR

CONSEQUENTIAL DAMAGES. \*\*

ALL INFORMATION APPEARING HEREIN IS BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES. WHILE THE INFORMATION IS BELIEVED TO BE ACCURATE, VW&R MAKES NO REPRESENTATIONS AS TO ITS ACCURACY OR SUFFICIENCY. CONDITIONS OF USE ARE BEYOND VW&R CONTROL AND THEREFORE USERS ARE RESPONSIBLE TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PARTICULAR PURPOSES AND THEY ASSUME ALL RISKS OF THEIR USE, HANDLING, AND DISPOSAL OF THE PRODUCT, OR FROM THE PUBLICATION OR USE OF, OR RELIANCE UPON, INFORMATION CONTAINED HEREIN. THIS INFORMATION RELATES ONLY TO THE PRODUCT DESIGNATED HEREIN, AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY OTHER

REPORT NUMBER: 703  
MS NO: PE184  
FRAME UPLOAD DATE: 01/25/93

VAN WATERS & ROGERS INC.  
MATERIAL SAFETY DATA SHEET

PAGE: 007

VERSION: 001

PRODUCT: DRAKEOL(R) 7

ORDER NO: 203162  
PROD NO : 303352

MESS.

\*\*\* END OF MSDS \*\*\*

*Law*

Fluor 5013

28

**SAFETY DATA SHEET**



**XIAMETER(R) PMX-200 SILICONE FLUID 20CS**

Version 3.0	Revision Date: 09/13/2017	SDS Number: 1374930-00007	Date of last issue: 03/09/2017 Date of first issue: 02/19/2015
----------------	------------------------------	------------------------------	---

**SECTION 1. IDENTIFICATION**

Product name : XIAMETER(R) PMX-200 SILICONE FLUID 20CS

Product code : 000000000004088884

**Manufacturer or supplier's details**

Company name of supplier : Dow Corning Corporation

Address : South Saginaw Road  
Midland Michigan 48686

PO box : 65091

Telephone : (989) 496-6000

Emergency telephone : 24 Hour Emergency Telephone : (989) 496-5900  
CHEMTREC : (800) 424-9300

**Recommended use of the chemical and restrictions on use**

Recommended use	: Hydraulic fluids and additives Process regulators, other than polymerization or vulcanization processes Solvent Intermediate Cosmetics
-----------------	--

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS classification in accordance with 29 CFR 1910.1200**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

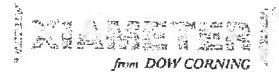
Substance / Mixture	: Substance
Chemical nature	: Silicone
Substance name	: Dimethyl siloxane, trimethylsiloxy-terminated
CAS-No.	: 63148-62-9

**Hazardous ingredients**  
No hazardous ingredients



29

# SAFETY DATA SHEET



## XIAMETER(R) PMX-200 SILICONE FLUID 20CS

Version 3.0	Revision Date: 09/13/2017	SDS Number: 1374930-00007	Date of last issue: 03/09/2017 Date of first issue: 02/19/2015
----------------	------------------------------	------------------------------	---

### SECTION 4. FIRST AID MEASURES

- If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.
- In case of skin contact : Wash with water and soap as a precaution.  
Get medical attention if symptoms occur.
- In case of eye contact : Flush eyes with water as a precaution.  
Get medical attention if irritation develops and persists.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Get medical attention if symptoms occur.  
Rinse mouth thoroughly with water.
- Most important symptoms and effects, both acute and delayed : None known.
- Protection of first-aiders : No special precautions are necessary for first aid responders.
- Notes to physician : Treat symptomatically and supportively.

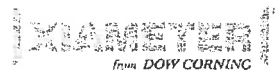
### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO2)  
Dry chemical
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Carbon oxides  
Silicon oxides  
Formaldehyde
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.  
Use personal protective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

30

# SAFETY DATA SHEET



## XIAMETER(R) PMX-200 SILICONE FLUID 20CS

Version 3.0	Revision Date: 09/13/2017	SDS Number: 1374930-00007	Date of last issue: 03/09/2017 Date of first issue: 02/19/2015
----------------	------------------------------	------------------------------	---

- Personal precautions, protective equipment and emergency procedures : Follow safe handling advice and personal protective equipment recommendations.
  
- Environmental precautions : Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g., by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.
  
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material.  
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### SECTION 7. HANDLING AND STORAGE

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
  
- Local/Total ventilation : Use only with adequate ventilation.
  
- Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Take care to prevent spills, waste and minimize release to the environment.
  
- Conditions for safe storage : Keep in properly labeled containers.  
Store in accordance with the particular national regulations.
  
- Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

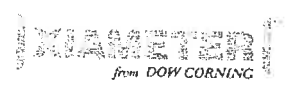
#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures : Processing may form hazardous compounds (see section 10).

31

# SAFETY DATA SHEET



## XIAMETER(R) PMX-200 SILICONE FLUID 20CS

Version 3.0	Revision Date: 09/13/2017	SDS Number: 1374930-00007	Date of last issue: 03/09/2017 Date of first issue: 02/19/2015
----------------	------------------------------	------------------------------	---

Ensure adequate ventilation, especially in confined areas.  
Minimize workplace exposure concentrations.

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : Wash hands before breaks and at the end of workday.

Eye protection : Wear the following personal protective equipment:  
Safety glasses

Skin and body protection : Skin should be washed after contact.

Hygiene measures : Ensure that eye flushing systems and safety showers are located close to the working place.  
When using do not eat, drink or smoke.  
Wash contaminated clothing before re-use.  
These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.  
For further information regarding the use of silicones / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these type of materials in consumer aerosol applications that has been developed by the silicone industry ([www.SEHSC.com](http://www.SEHSC.com)) or contact the Dow Corning customer service group.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: colorless
Odor	: none
Odor Threshold	: No data available
pH	: No data available
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: > 35 °C
Flash point	: > 101.1 °C Method: closed cup
Evaporation rate	: No data available

# SAFETY DATA SHEET



## XIAMETER(R) PMX-200 SILICONE FLUID 20CS

Version 3.0	Revision Date: 09/13/2017	SDS Number: 1374930-00007	Date of last issue: 03/09/2017 Date of first issue: 02/19/2015
----------------	------------------------------	------------------------------	---

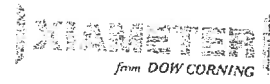
- || Flammability (solid, gas) : Not applicable
- || Flammability (liquids) : Not applicable
- Self-ignition : The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Vapor pressure : No data available
- Relative vapor density : No data available
- Relative density : 0.95
- Solubility(ies)  
Water solubility : No data available
- Partition coefficient: n-octanol/water : No data available
- Autoignition temperature : No data available
- Decomposition temperature : No data available
- Viscosity  
|| Viscosity, kinematic : 20 mm<sup>2</sup>/s (25 °C)
- Explosive properties : Not explosive
- Oxidizing properties : The substance or mixture is not classified as oxidizing.
- Molecular weight : No data available
- || Particle size : Not applicable

### SECTION 10. STABILITY AND REACTIVITY

- Reactivity : Not classified as a reactivity hazard.
- Chemical stability : Stable under normal conditions.
- Possibility of hazardous reactions : Can react with strong oxidizing agents.  
When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released.  
Adequate ventilation is required.  
See OSHA formaldehyde standard, 29 CFR 1910.1048

33.

**SAFETY DATA SHEET**



**XIAMETER(R) PMX-200 SILICONE FLUID 20CS**

Version 3.0	Revision Date: 09/13/2017	SDS Number: 1374930-00007	Date of last issue: 03/09/2017 Date of first issue: 02/19/2015
----------------	------------------------------	------------------------------	---

Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid : None known.

Incompatible materials : Oxidizing agents

**Hazardous decomposition products**  
Thermal decomposition : Formaldehyde

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

- Inhalation
- Skin contact
- ~~Ingestion~~
- Eye contact

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : LD50 (Rat): > 15,400 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: On basis of test data.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: On basis of test data.

**Skin corrosion/irritation**

Not classified based on available information.

**Product:**

Species: Rabbit  
Result: No skin irritation  
Remarks: On basis of test data.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Species: Rabbit  
Result: No eye irritation  
Remarks: On basis of test data.

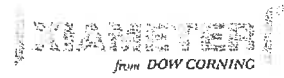
**Respiratory or skin sensitization**

**Skin sensitization**

Not classified based on available information.

*Alum*

# SAFETY DATA SHEET



34

## 'XIAMETER(R) PMX-200 SILICONE FLUID 20CS

Version 3.0      Revision Date: 09/13/2017      SDS Number: 1374930-00007      Date of last issue: 03/09/2017  
Date of first issue: 02/19/2015

### Respiratory sensitization

Not classified based on available information.

#### Product:

Assessment: Does not cause skin sensitization.

Test Type: Maximization Test

Species: Guinea pig

Result: negative

Remarks: Based on data from similar materials

### Germ cell mutagenicity

Not classified based on available information.

#### Product:

Genotoxicity in vitro

Test Type: Bacterial reverse mutation assay (AMES)

Result: negative

Remarks: Based on data from similar materials

### Carcinogenicity

Not classified based on available information.

#### Product:

Species: Rat

Application Route: Ingestion

Result: negative

Remarks: Based on data from similar materials

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

IARC : No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA : No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

Not classified based on available information.

#### Product:

Effects on fertility

Species: Rabbit, male

Application Route: Ingestion

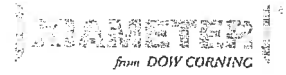
Symptoms: No effects on fertility.

Remarks: Based on data from similar materials

Effects on fetal development : Test Type: Prenatal development toxicity study (teratogenicity)  
Species: Rabbit, female

35

# SAFETY DATA SHEET



## XIAMETER(R) PMX-200 SILICONE FLUID 20CS

Version 3.0	Revision Date: 09/13/2017	SDS Number: 1374930-00007	Date of last issue: 03/09/2017 Date of first issue: 02/19/2015
----------------	------------------------------	------------------------------	---

Application Route: Skin contact  
 Symptoms: No effects on fetal development.  
 Remarks: Based on data from similar materials

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Not classified based on available information.

### Product:

Routes of exposure: Ingestion

Assessment: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

Routes of exposure: Skin contact

Assessment: No significant health effects observed in animals at concentrations of 200 mg/kg bw or less.

### Repeated dose toxicity

#### Product:

Species: Rat

Application Route: Ingestion

Remarks: Based on data from similar materials

Species: Rabbit

Application Route: Skin contact

Remarks: On basis of test data.

### Aspiration toxicity

Not classified based on available information.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

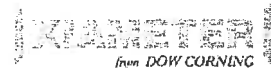
No data available

### Other adverse effects

No data available

✓

**SAFETY DATA SHEET**



**XIAMETER(R) PMX-200 SILICONE FLUID 20CS**

Version	Revision Date:	SDS Number:	Date of last issue: 03/09/2017
3.0	09/13/2017	1374930-00007	Date of first issue: 02/19/2015

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Resource Conservation and Recovery Act (RCRA) : This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

**SECTION 14. TRANSPORT INFORMATION**

**International Regulations**

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Domestic regulation**

**49 CFR**

Not regulated as a dangerous good

**SECTION 15. REGULATORY INFORMATION**

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No SARA Hazards

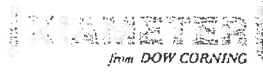
**SARA 313**

: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.



37

# SAFETY DATA SHEET



## XIAMETER(R) PMX-200 SILICONE FLUID 20CS

Version 3.0	Revision Date: 09/13/2017	SDS Number: 1374930-00007	Date of last issue: 03/09/2017 Date of first issue: 02/19/2015
----------------	------------------------------	------------------------------	---

### US State Regulations

#### Pennsylvania Right To Know

Dimethyl siloxane, trimethylsiloxy-terminated 63148-62-9

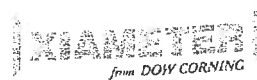
#### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

#### The ingredients of this product are reported in the following inventories:

- KECI : All ingredients listed, exempt or notified.
- REACH : For purchases from Dow Corning EU legal entities, all ingredients are currently pre/registered or exempt under REACH. Please refer to section 1 for recommended uses. For purchases from non-EU Dow Corning legal entities with the intention to export into EEA please contact your DC representative/local office.
- TSCA : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
- AICS : All ingredients listed or exempt.
- IECSC : All ingredients listed or exempt.
- PICCS : All ingredients listed or exempt.
- DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).
- ENCS/ISHL : All components are listed on ENCS/ISHL or exempted from inventory listing.
- NZIoC : All ingredients listed or exempt.
- TCSI : All ingredients listed or exempt.

# SAFETY DATA SHEET



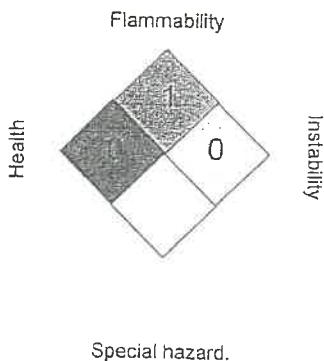
## XIAMETER(R) PMX-200 SILICONE FLUID 20CS

Version 3.0      Revision Date: 09/13/2017      SDS Number: 1374930-00007      Date of last issue: 03/09/2017  
Date of first issue: 02/19/2015

### SECTION 16. OTHER INFORMATION

#### Further information

#### NFPA:



#### HMIS® IV:

HEALTH	/	0
FLAMMABILITY		1
		0

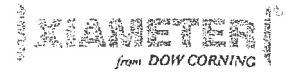
HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "/" represents a chronic hazard, while the "0" represents the absence of a chronic hazard.

#### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG -

39

# SAFETY DATA SHEET



## XIAMETER(R) PMX-200 SILICONE FLUID 20CS

Version	Revision Date:	SDS Number:	Date of last issue: 03/09/2017
3.0	09/13/2017	1374930-00007	Date of first issue: 02/19/2015

United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 09/13/2017

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

US / Z8

**MICOM BH**  
 MICOM BH d.o.o.  
 Bačići 58  
 71000 Sarajevo  
 Tel: +387 33 778 571  
 Fax: +387 33 778 570  
[info@micom.ba](mailto:info@micom.ba)  
[www.micom.ba](http://www.micom.ba)