1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Product name**: PX 3806
- **Relevant identified uses of the substance or mixture and uses advised against**
  Lubricant  Additive. Not for consumer application.
- **Manufacturer/Supplier:**
  Dorf Ketal Chemicals LLC
  11200 Westheimer Road
  Suite 400
  Houston, Texas 77042
  Phone = +1 713 343 2377
  Fax = +1 832 649 7615
  Email: ehss@dorfketal.com
- **Emergency telephone number:**
  For Chemical Emergency ONLY (in the case of fire, leak, spill, exposure or accident) call CHEMTREC at +1 (703) 527-3887 or CHEMTREC India at 000-800-100-7141. For ALL other emergencies call DORF KETAL Emergency Control Room +9122–65271001.
  For Emergency, call +91-9930812403.

2 Hazards identification

- **Classification of the substance or mixture**
  The substance is not classified according to the Globally Harmonised System (GHS).

- **Label elements**
  - **Hazard pictograms** Not Applicable
  - **Signal word** Not Applicable
  - **Hazard statements** Not Applicable
  - **Other hazards**: No information available

3 Composition/information on ingredients

- **Chemical characterization: Substance**
  There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4 First aid measures

- **Description of first aid measures**
  - **General information:**
    Do not leave affected persons unattended.
    Take affected persons out into the fresh air.
  - **After inhalation**: Remove source of irritation. If symptoms persist seek medical attention
  - **After skin contact**: Immediately rinse with water.
    If skin irritation continues, consult a doctor.
  - **After eye contact**: Check for and remove any contact lenses.

(Contd. on page 2)
5 Firefighting measures

- **Extinguishing media** In case of fire use the following suitable extinguishing agent.
- **Suitable extinguishing agents:**
  
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  
  Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
  
  Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- **Protective equipment:**
  
  Wear self-contained respiratory protective device.
  
  Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  
  Wear protective clothing.
  
  Keep away from ignition sources.
  
  Ensure adequate ventilation
  
  Use respiratory protective device against the effects of fumes/dust/aerosol.
  
  Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
  
  Do not allow product to reach sewage system or any water course.
  
  Inform respective authorities in case of seepage into water course or sewage system.
  
  Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
  
  Stop leak if without risk.
  
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  
  Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
- **Reference to other sections**
  
  See Section 7 for information on safe handling.
  
  See Section 8 for information on personal protection equipment.

(Contd. on page 3)
7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**
    Put on appropriate personal protective equipment.
    Do not ingest.
    Avoid contact with eyes, skin and clothing.
    Avoid breathing vapour or mist.
    No special measures required.
    Ensure good ventilation/exhaustion at the workplace.
  - **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
  - **Conditions for safe storage, including any incompatibilities**
  - **Requirements to be met by storerooms and receptacles:** Store in a cool location.
  - **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
  - **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not Established.
- **Exposure controls**
  - **Appropriate engineering controls**
    Use local exhaust ventilation or other engineering control to maintain airborne levels below exposure limit requirement or guidelines.
    Local exhaust ventilation may be necessary for some operations.
    If there are no applicable exposure limit requirement or guidelines, general ventilation should be sufficient for most operations.
  - **Personal protection:**
    - **General protective and hygienic measures:**
      The usual precautionary measures are to be adhered to when handling chemicals.
      Keep away from foodstuffs, beverages and feed.
      Wash hands before breaks and at the end of work.
      Do not inhale gases / fumes / aerosols.
      Avoid contact with the eyes and skin.
    - **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
    - **Protection of hands:**
      The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
      Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
      Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
    - **Material of gloves**
      The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
9 Physical and chemical properties

- Information on basic physical and chemical properties
- Appearance:
  - Form: Powder
  - Colour: Yellowish brown
- Odour:
  - Odour threshold: No data available.
- pH-value at 20 °C: 6.5
- Melting point/Freezing Point: > 75 °C
- Initial boiling point and boiling range: No data available
- Flash point: 186 °C
- Flammability (solid, gas): Not applicable.
- Auto Ignition temperature: No data available
- Decomposition temperature: > 350 °C
- Explosive properties: Product does not present an explosion hazard.
- Explosion limits:
  - Oxidising properties: No data available.
- Vapour pressure: No data available.
- Relative density: No data available.
- Vapour density: No data available.
- Evaporation rate: No data available.
- Solubility: No data available.
- Partition coefficient: n-octanol/water: 6 log POW
- Viscosity:
  - Dynamic: No data available.
  - Kinematic: No data available.
- Other information: No further relevant information available.

10 Stability and reactivity

- Reactivity Under normal conditions of storage and use, hazardous reactions will not occur.
- Chemical stability The product is stable under storage at normal ambient temperature.
Product name: PX 3806

- **Possibility of hazardous reactions**
  Under normal conditions of storage and use, hazardous reactions are not known.

- **Conditions to avoid**
  Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.

- **Incompatible materials**: No further relevant information available.

- **Hazardous decomposition products**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity**
    - LD/LC50 values relevant for classification: No relevant information available
  - **Skin corrosion/irritation**: No irritating effect.
  - **Serious eye damage/irritation**: No irritating effect.
  - **Respiratory or skin sensitization**: No sensitizing effects known.
  - **Germ cell mutagenicity**: No known significant effects or critical hazards.
  - **Carcinogenicity**: No known significant effects or critical hazards.
  - **Reproductive toxicity**: No known significant effects or critical hazards.
  - **Specific target organ toxicity-single exposure** No known significant effects or critical hazards.
  - **Specific target organ toxicity-repeated exposure** No known significant effects or critical hazards.
  - **Aspiration hazard**: No data available.
  - **Other relevant information**: No data available

### 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity**: No further relevant information available.
  - **Persistence and degradability**: No further relevant information available.
  - **Bioaccumulative potential**: No further relevant information available.
  - **Mobility in soil**: No further relevant information available.
  - **Results of PBT and vPvB assessment**: Not available
  - **Other adverse effects**: No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**

(Contd. on page 6)
The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

- **Product / Packaging disposal:** Smaller quantities can be disposed of with household waste.
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

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<tr>
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<tr>
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<tr>
<td><strong>Marine pollutant:</strong></td>
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<tr>
<td><strong>Special precautions for user</strong></td>
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<tr>
<td><strong>Transport in bulk according to Annex II of Marpol and the IBC Code</strong></td>
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### 15 Regulatory information

- **Chemical safety assessment** Chemical safety assessment has not been carried out.

### 16 Other information

* File name: PX 3806_300304_SDS_GHS_en_AUG-03-2017
* Superseded SDS date: JUL-09-2014
* Change History: Version updated

**Abbreviations:**
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances

(Contd. on page 7)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
APF = Assigned protection factor
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
IOELV: Indicative Occupational Exposure Limit Values

Disclaimer:
The data and recommendations presented in this data sheet concerning the use of our product and the materials contain therein are believed to be accurate and are based on information which is considered reliable as of the date hereof. However, the customer should determine the suitability of much material for his purpose before adopting them on a commercial scale. Since the use of our product by others is beyond our control, no guarantee, express or implied, is made and no responsibility assumed for the use of this material or the results to be obtained therefrom. Information on this document is furnished for the purpose of compliance with Government Health and Safety Regulations and shall not be used for any other purposes. Moreover, the recommendations contained in this Safety Data Sheet are not to be constructed as a license to operate under, or a recommendation to infringe, any existing patents, nor should they be confused with state, municipal or insurance requirements, or with national safety codes.