

**MATERIAL SAFETY DATA SHEET ( MSDS )****1. CHEMICAL IDENTITY****HYDROGENATED PYROLYSIS GASOLINE**

|                                 |                                 |                              |                     |
|---------------------------------|---------------------------------|------------------------------|---------------------|
| Chemical Name                   | Hydrogenated Pyrolysis Gasoline | Trade name                   | HPG                 |
| Synonyms                        | HPG                             | Chemical classification      | Hydrocarbon Mixture |
| Formula                         | HC Mixture                      | CAS Number                   | DNA                 |
| UN number                       | DNA                             | UN Hazard class              | 3                   |
| Hazchem code ( EAC )            | 3WE                             |                              |                     |
| <b>REGULATED IDENTIFICATION</b> |                                 | <b>Hazardous ingredients</b> | <b>CAS No.</b>      |
| Shipping Name                   | DNA                             |                              | -                   |
| Shipping code/ Label            | DNA                             |                              |                     |
| Hazardous waste Id No.          | Not pertinent                   |                              |                     |

Uses: Used as fuel and blending stock for motor sprit

**2. PHYSICAL AND CHEMICAL DATA**

|  |          |                                   |               |                   |                |
|--|----------|-----------------------------------|---------------|-------------------|----------------|
| Boiling point/ Range °C                  | 45-240 * | Physical state                    | Liquid        | Appearance        | Colourless     |
| Melting/ Freezing Point °C               | -20 *    | Vapour Pressure( at 20° C ) mm Hg | 180 *         | Odour             | Like aromatics |
| Vapour Density ( Air =1)                 | 3.0 *    | Solubility in water ( at 30°C)    | Negligible    | Other Information |                |
| Specific gravity ( at 20 °C ) (water =1) | 0.82 *   | pH                                | Not pertinent |                   |                |

**3. FIRE AND EXPLOSION HAZARD DATA**

|                                 |                                 |   |           |                                |       |
|---------------------------------|---------------------------------|---|-----------|--------------------------------|-------|
| Flash point °C (CC) (OC)        | -37 *                           | Flammability LFL % v UFL % v                | 1.1 7.2 * | TDG Flammability               | 3     |
| Explosion sensitivity to impact | No                              | Explosion sensitivity to static electricity | Yes       | Autoignition Temperature °C    | 240 * |
| Combustible Material            | Yes                             | Explosive Material                          | No        | Hazardous Polymerization       | No    |
| Flammable Material              | Yes                             | Oxidiser                                    | No        | Corrosive Material             | No    |
| Pyrophoric Material             | No                              | Organic Peroxide                            | No        | Other information : Forms gums |       |
| Hazardous Combustion Products   | CO in case of Oxygen deficiency |   |           |                                |       |

**4. REACTIVITY DATA**

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| Chemical stability                   | Stable except minor gum formation |
| Incompatibility with other Materials | Strong oxidising agent            |
| Reactivity                           | DNA                               |
| Hazardous Reaction Products          | DNA                               |

**5. HEALTH HAZARD DATA**

|                              |   |                   |                 |              |
|------------------------------|---|-------------------|-----------------|--------------|
| Route of entry               | Inhalation, skin contact, eye contact   |                   |                 |              |
| Effect of exposure/ Symptoms | Inhalation: May cause irritation, sore throat, cough, shortness of breath. Skin contact : may cause mild irritation to sensitive skin. Skin absorption: no evidence. Eye contact : May cause mechanical irritation, redness, pain   |                   |                 |              |
| Emergency treatment          | Inhalation: fresh air. Consult a doctor if necessary. Skin: Remove contaminated clothing: wash skin with soap and water. Eyes: Flush with water. If irritation persists consult a doctor. Ingestion: Consult a doctor if necessary. |                   |                 |              |
| Permissible Exposure Limit   | TLV-TWA ( ACGIH)  | DNA               | STEL(ACGIH)     | DNA          |
| TDLo imp-rat: DNA            | IDLH  | DNA               | Odour threshold | DNA          |
| NFPA Hazard signals          | Health<br>1   | Flammability<br>3 | Reactivity<br>0 | Special<br>- |



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### 6. PREVENTIVE MEASURES

### HYDROGENATED PYROLYSIS GASOLINE

|   |   |
|---|---|
| <b>PERSONAL PROTECTIVE MATERIAL</b>     | Rubber gloves, goggles, Safety shoes, SCBA ( where necessary)   |
| <b>HANDLING AND STORAGE PRECAUTIONS</b> | Store at ambient temperature. Keep containers closed. Separate from acids, oxidising agents. No open flames, no smoking, no sparks. |

### 7. EMERGENCY AND FIRST AID MEASURES

|                                  |   |
|----------------------------------|---|
| <b>FIRE ( Class of fire : B)</b> |   |
| <b>Fire extinguish media</b>     | Alcohol resistant foam, DCP, CO2  |
| <b>Special Procedures</b>        | Full body protection. Wear SCBA if necessary.   |
| <b>Unusual Hazards</b>           | CO in case of Oxygen deficiency.  |
| <b>EXPOSURE</b>                  |   |
| <b>First Aid Measures</b>        | Inhalation: fresh air. Consult a doctor if necessary. Skin: Remove contaminated clothing: wash skin with soap and water. Eyes: Flush with water. If irritation persists consult a doctor. Ingestion: Consult a doctor if necessary. |
| <b>Antidotes/ Dosages</b>        | None specific. Treat symptomatically.   |
| <b>SPILLS</b>                    |   |
| <b>Steps to be taken</b>         | do not divert to sewer. Collect after bunding.  |
| <b>Waste Disposal Method</b>     | Liquid fuel pool or burn in a suitable furnace.   |

### 8. ADDITIONAL INFORMATION/ REFERENCES

|   |  |
|---|--|
| <b>ECOLOGICAL INFORMATION</b>                       |  |
| <b>Ecotoxicity</b>                                  | Harmful to aquatic life in low concentration |
| <b>Persistence</b>                                  | DNA  |
| <b>OTHER INFORMATION</b>                            |  |
| <b>REFERENCES ( FOR OBTAINING MORE INFORMATION)</b> |  |
| Information for process design Manual.              |  |

### 9. MANUFACTURER/SUPPLIER/ CONSUMER'S DATA

|   |                                    |                                    |
|---|------------------------------------|------------------------------------|
| <b>Haldia Petrochemicals Limited,</b><br>Durgachak, Haldia, Purba<br>Medinipur, WB- 721 602 | <b>Contact person in Emergency</b> | Emergency leader                   |
| PH: (03224) 274400/007  | <b>Local Bodies Involved</b>       | The Additional District Magistrate |
| Fax: ( 03224) 274420  | <b>Standard Packing</b>            |                                    |
|   | <b>Tremcard details/ Ref</b>       |                                    |
|   | <b>Others</b>                      | -                                  |

### 10. DISCLAIMER

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