

## CARGO INFORMATION SCHEME

|                          |  |                         |            |
|--------------------------|--|-------------------------|------------|
| <b>Chemical name</b>     | Potassium Format Brine                             | Last update             | juli, 1998 |
| Common names             |  | UN number               |            |
| Chemical formular        |  | MFAG number             |            |
| Chemical family          |  | MARPOL Annex            |            |
| Colour                   | Clear, colorless                                   | Annex II pollution cat. |            |
| Odour                    | Mild odeour  | IMO Ships type          |            |
| Own reaction             |  | Density @ 15°C          | 1,56 - 1,6 |
| Reaction with water      |  | Correction factor/°c    |            |
| Reaction other           |  | Petroleum tables used   |            |
| Solubility with water    | Complety   | Melting point °c        |            |
| Compatibility number     |  | Boiling point °c        | 140        |
| Separate from no. (USCG) | Sulphuric Acid (2) Vinyl Acetate (12)              | Flash point °c          |            |
| Type of toxic test tubes |  | Auto-ignition point °c  |            |
| Toxicity in case of fire |  | Viscosity               |            |
| Fire extinguishing agent | No restrictions                                    | Odour limit ppm         |            |
| Special fire procedure   | Decomposes at 360°C to Hydrogen, Potassium Oxelate | Explos. limits Vol %    |            |
| Spill or leak procedure  | No special hazards                                 | Vapour press kPa/20     |            |
|                          |  | Vapour dens.rel to air  |            |

### SAFETY AND FIRST AID INFORMATION

|                         |                              |                       |  |
|-------------------------|------------------------------|-----------------------|--|
| Main hazard             | Not hazadous to human health | Health risk           |  |
| Symptoms if exposed     |                              | TLV ppm               |  |
| Personal protection aid | Avoid prolonged skin contact | Is it a cancer agent  |  |
|                         |                              | Is antidote available |  |

#### First aid

|              |   |
|--------------|---|
| Eye contact  | Rine with water for at least 15 min.                    |
| Skin contact | Wash with soap and water                                |
| Inhalation   |   |
| Ingestion    | Wash the nmouth with soap, drink large volume of water. |

### CARGO HANDLING

|                            |  |                       |       |
|----------------------------|--|-----------------------|-------|
| Coating requirements       | Mild steel without scale, coated tanks, No zink stowage    | Voyage temp. °c       | 10-15 |
| Wall wash tests            |  | Discharge temp. °c    | 10-15 |
| Previous cargo(es)         | Not to be styrene. Last three cargoes to be clean/unleaded | Preheating of tanks   |       |
| Fresh water flush          |  | Cirkulation on voyage |       |
| Demiwater flush            |  | Inhibitor certificate |       |
| Condition prior to loading |  | Sweeping after disch. |       |
| Remarks                    | C/P stipulate "stainless steel stowage"                    | Heat adjacent         |       |
| Remarks                    |  |                       |       |

### TANKCLEANING - after discharge

|                        |                    |
|------------------------|--------------------|
| Prewash ( not marpol ) |                    |
| Ordinary bw wash       | BW with freshwater |
| Recirculation          |                    |
| Steaming               |                    |
| Removal of rob         |                    |
| Hand hosing/high press |                    |
| Chemicals for washing  |                    |

**SPECIAL INSTRUCTIONS**

The product is not classfied as hazardous to human health, and does not constitute a hazard to the environment.

Potassium Format Birne solution:

Potassium Formate 50-100%

Water 10-30%

pH 9-10