



**Marine Engineering**

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## Keçe Uçlu Metal Markalama Kalemleri

### **NISSEN Low Chloride Feltip Marker Halojensiz Feltip Markalama Kalem**

Klor, Flor gibi halojen iyonları paslanmaz çelik yüzeyine etki ederek özellikle kaynak bölgelerinde, korozyona ve çatlamaya neden olurlar. Nissen Low Chloride Marker kalemler ABD Enerji Dairesinin RDT F-7-3T Standartına uygun olup içindeki halojen miktarları bağımsız laboratuvarlarca denetlenmektedir.

**Paket :12 Adet**



## Material Safety Data Sheet January 4, 2010

### Product Identification NISSEN LOW CHLORIDE FELTIP PAINT MARKER

J.P. Nissen Co. Phone: 215-886-2025  
2544 Fairhill Avenue Fax: 215-886-0707  
P.O. Box 339 Emergency: 1-800-424-9300  
Glenside, PA 19038

**HMS Ratings-Health 2 Flammability 3 Reactivity 0**

**NFPA Ratings- Health 2 Flammability 3 Reactivity 0**

**Hazardous ingredients** – The paint is contained in a valve action reservoir and will not leak under normal conditions.

**Ingredients CAS# % Exposure Limits**

**Mineral Spirits 64742-88-7 30-35 100 ppm/8 hrs pel**

**VM& P Naptha 64742-89-8 15-20 300 ppm/8 hrs pel**

**Xylol (Xylene) 1330-20-7 1-5 100 ppm/8 hrs pel**

**Titanium Dioxide 13463-67-7 33 5 mg/cu.m Respirable dust**

**Aliphatic Hydrocarbon 64742-47-8 1-5 100 ppm/8hrs pel**

**Physical Data**

**Boiling point:**246-404 F **Vapor density:** Heavier than air.

**Volatile %:** 66.7% by volume **Specific gravity:** Less than 1.

**Evaporation rate:** Slower than Ethyl Ether **Vapor Pressure:** 6.2 mm hg @ 20 deg. C

**Appearance:** **White viscous** liquid with an aromatic odor.

**Volatile Organic Compound** data not required because product only produced in quantities of less than 1 liter

**Fire and Explosion Data**

**Flammability Class:** IC **Flashpoint:** 75 deg..F **LEL:**1% **UEL** 7%

**Extinguishing Media:** Foam, Carbon dioxide, or any Class B extinguishing agent. Water may be unsuitable as an

extinguishing medium, but helpful in keeping adjacent containers cool.

**Health Hazard Data**

**Listed as possible carcinogen:** NTP – No IARC – OSHA – No

**Symptoms of over exposure:** Headache, Dizziness, Nausea, Coughing, Eye, Throat and Skin Irritation.

**Effects of overexposure:** Slight to severe irritation to eyes and mucous membranes. Dermatitis. Affects central nervous system.

**Emergency first aid:** Inhalation; seek fresh air. Give artificial respiration if not breathing.

Skin contact; Wash with soap and water. Ingestion; Call Physician. Do not induce vomiting. If vomiting occurs, keep head

below hips to prevent aspiration of liquid into lungs

**Reactivity Data**

**Stability:** Stable, **hazardous polymerization:** Will not occur.

**Conditions to avoid:** Heat, open flames and sparks.

**Incompatibility:** Do not expose to strong oxidizers.

**Hazardous decomposition products:** Carbon monoxide, carbon dioxide.

**Environmental Protection Procedures**

Remove all sources of ignition, ventilate area, and use absorbent material to clean spills.

Disposal method: Dispose of waste in accordance with all local, state and federal regulations.

**Control Measures**

**Respiratory protection:** None required under normal use.

**Ventilation:** Normal-working conditions.

**Protective Equipment:** Safety glasses and gloves. No special clothing required under normal conditions of use.

**Transportation**

Shipping Class ORM-D

UN Number 1263

Package Group III

**Toxic Substances Control Act TSCA States:**

All components of this product are listed in the EPA's Inventory of Chemical Substances as required under the Toxic

Substances Control Act (TSCA)