

1. Chemical product and Company Identification

Company Identification: Dixon Ticonderoga Company
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Telephone: 800-824-9430

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Emergency call: 800-824-9430

Product Name: Ticonderoga Dry Erase Markers Chisel Tip
Product Code(s): 92001, 92004, 92007, 92008, 92040, 92080

2. Composition/Information On Ingredients



Chemical characterization

Mixture of the following substances, containing non-hazardous substances and colouring agents.

Description

Mixture of substances listed below with nonhazardous additions.

Dangerous components

64-17-5	ethanol	 F; R 11	50 - 100%
107-98-2	1-Methoxy-2-propanol	R 10	10 - 25%
67-63-0	propan-2-ol	Xi,  F; R 11-36-67	2, 5-10%

Additional information

For the wording of the listed risk phrases refer to section 16.

3. Hazards Identification

Hazard description



F Highly flammable

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 11 Highly flammable.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4. First Aid Measures

Eye Contact: Rinse opened eye for several minutes under running water.

Skin Contact: Generally the product does not irritate the skin.

Ingestion: If symptoms persist consult doctor.

Inhalation: Supply fresh air; consult doctor in case of complaints.

5. Fire Fighting Measures

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment:

No special measures required.

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6. Accidental Release Measures**Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Prevent seepage into sewage system, workpits and cellars.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

7. Handling and Storage**Handling**

Information for safe handling: Not Applicable

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Storage

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed

8. Exposure Controls/Personal Protection

Additional information about design of technical facilities:

No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

Personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Respiratory protection:

Not required.

Protection of hands:



Protective gloves

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles



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9. Physical and Chemical Properties**General Information**

Form: Liquid
Color: According to product specification
Odor: Characteristic

Change in condition**Melting point/Melting**

range: Undetermined.

Boiling point/Boiling

range: 78°C

Flash point: 13°C

Ignition temperature: 287°C

Self-igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits

Lower: 1,7 Vol %

Upper: 15,0 Vol %

Vapour pressure at

20°C: 59 hPa

Density at 20°C: 0,860 g/cm³

Solubility in / Miscibility

with Fully miscible.

water:**Viscosity:**

Dynamic at 20°C: 8 mPas

Solvent content:

Organic solvents: 68,0 %

Solids content: 8,0 %

10. Stability and Reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological Information**Acute toxicity:****Primary irritant effect:**

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

12. Ecological Information

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. Disposal Considerations**Product:**

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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Recommended cleansing agents: Water, if necessary together with cleansing agents.

14. Transportation Information

Land transport ADR/RID (cross-border)



ADR/RID class: 3 (F1) Flammable liquids.
Danger code (Kemler): 33
UN-Number: 1263
Packaging group: II
Hazard label: 3
Description of goods: 1263 PAINT, (vapor pressure at 50°C at most 110 kPa)

Maritime transport IMDG:



IMDG Class: 3
UN Number: 1263
Label: 3
Packaging group: II
EMS Number: F-E,S-E
Marine pollutant: No
Proper shipping name: PAINT

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA Class: 3
UN/ID Number: 1263
Label: 3
Packaging group: II
Proper shipping name: PAINT

15. Regulatory Information

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:



F Highly flammable

Risk phrases: 11 Highly flammable.
Safety phrases: 2 Keep out of the reach of children
9 Keep container in a well-ventilated place.
46 If swallowed, seek medical advice immediately and show this container or label.
56 Dispose of this material and its container to hazardous or special waste collection point.

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Technical instructions (air):

Class	Share in %
NK	68,0

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16. Other Information

For further product safety information call

800-824-9430

Today's Date:

18-Nov-09

This information contained herein is based on data considered accurate. However no warranty is expressed or implied regarding the accuracy of these data or results obtained from the use thereof. Dixon Ticonderoga company assumes no responsibility for personal damage caused by the product. Users assume all risks associated with use.

