# Material Safety Data Sheet

**Prepared in accordance with ISO 11014-1/ANSI standard Z400.1-2004**

**Print Date** Apr-20-2009 **Revision Date** Apr-20-2009

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product code** **AQ51**
**Product name** **Prepared Extender Base**
**Product description** Ink Product

**Manufacturer or supplier's details**

UNITED STATES
Nazdar Company
8501 Hedge Lane Terrace
Shawnee, KS 66227
Tel: 1-913-422-1888
Tel: 1-800-677-4657
Fax: 1-913-422-2294

UNITED KINGDOM
Nazdar Limited
7 Barton Road
Heaton Mersey Industrial Estate
Stockport, Chesire SK4 3EG
Tel: +44 161 442 2111

**Emergency Telephone Number**

USA: Chemtrec: 1-800-424-9300
Outside USA: Chemtrec: 1-703-527-3887

Website: www.nazdar.com
MSDS Information: 1-913-422-1888 ext 2305
MSDS Contact: Regulatory Compliance
email: regcomp@nazdar.com

## 2. HAZARDS IDENTIFICATION

*This product is a preparation. Health hazard information is based on its components.*

**Appearance** Viscous liquid
**Eyes** May cause eye irritation.
**Skin** May cause skin irritation and/or dermatitis.
**Inhalation** Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS-No | Weight % |
|---|---|---|
| 1,2-Propylene glycol | 57-55-6 | 1 - 5 |

## 4. FIRST AID MEASURES

**Skin Contact** Wash off immediately with soap and plenty of water. Use a mild soap if available. Rinse immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation develops, get medical attention.

**Eye Contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

**Inhalation** Move to fresh air. If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

**Ingestion** If swallowed, DO NOT induce vomiting. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

## 5. FIRE-FIGHTING MEASURES

**Flammable Properties** No information available

**Suitable Extinguishing Media** Water spray. Foam. Carbon dioxide ($CO_2$). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Keep away from fire, sparks and heated surfaces. Keep container tightly closed. Cool containers / tanks with water spray. Fire or intense heat may cause violent rupture of packages.

**Specific Hazards Arising from the Chemical** Thermal decomposition can lead to release of irritating gases and vapours. Burning produces obnoxious and toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Remove all sources of ignition. Heat, flames and sparks. Ventilate the area. Avoid breathing dust or vapor. Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Methods for Cleaning Up** Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Do not use sparking tools.

**Environmental Precautions** Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

## 7. HANDLING AND STORAGE

**Handling** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Remove and wash contaminated clothing before re-use. Discard contaminated shoes. When using do not smoke. Take notice of labels and material safety data sheets for the working chemicals. Do not take internally. Harmful or fatal if swallowed.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep out of the reach of children. Keep away from heat and sources of ignition. Take notice of the directions of use on the label. Do not freeze.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| Component | Weight % | ACGIH TLV | OSHA PEL | Ontario TWAEV |
|---|---|---|---|---|
| 1,2-Propylene glycol | 1 - 5 | | | TWA: 155 mg/m$^3$ TWA: 10 mg/m$^3$ TWA: 50 ppm |

**Engineering Measures** Use only with adequate ventilation. Use ventilation adequate to keep exposures below recommended exposure limits. See MSDS. In case of insufficient ventilation, wear suitable respiratory equipment.

**Personal Protective Equipment**

**Respiratory Protection** Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). Respirator with a vapour filter.

**Eye Protection** Ensure that eyewash stations and safety showers are close to the workstation location. Avoid contact with eyes. Safety glasses with side-shields. Goggles. Face-shield.

**Skin Protection** Wear protective gloves/clothing. Solvent-resistant apron and boots.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands before eating, drinking, or smoking. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Appearance** | Viscous liquid | **Physical State** | Liquid |
| **Odor** | Characteristic | **Odor Threshold** | No information available |
| **pH** | 7-9 | **Autoignition Temperature** | No information available |
| **Boiling point/Boiling Range** | >100°C / >212°F | **Melting Point/Range** | No information available |
| **Freezing Point/Range** | 0°C / 32°F | **Solubility** | No information available |
| **Evaporation Rate** | No information available | **Partition Coefficient (n-octanol/water)** | No information available |
| **Vapour Pressure** | No information available | **Vapour Density** | Heavier than air |
| **Flammability (solid, gas)** | No information available | | |

**Flammability Limits in Air**
**Upper** No information available
**Lower** No information available

**Flash Point** > 93°C / > 200°F
**Method** Pensky Martens Closed Cup (PMCC)

**Photochemically Reactive** No

| | | | |
|---|---|---|---|
| **Weight Per Gallon (lbs/gal)** | 8.36 | **Specific Gravity** | 1.003 |
| **VOC by weight** | 31.834 | **VOC by volume** | No information available |
| **VOC lbs/gal** | 2.661 | **VOC grams/liter** | 318.894 |
| **Volatile by weight (including Water)** | 94.35 | **Water by weight** | 91.84 |

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions.

**Conditions to Avoid** Heat, flames and sparks. Do not freeze.

**Incompatible Products** Strong acids. Strong bases. Strong oxidizing agents. Reducing agents.

**Hazardous Decomposition Products** Thermal decomposition can lead to release of irritating gases and vapours. Carbon dioxide ($CO_2$). Carbon monoxide.

**Possibility of Hazardous Reactions** None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---|---|---|
| 1,2-Propylene glycol | 20000 mg/kg ( Rat ) | 20800 mg/kg ( Rabbit ) | |

**Chronic Toxicity**

**Sensitisation** No information available
**Mutagenic Effects** No information available
**Reproductive Effects** No information available
**Developmental Effects** No information available
**Teratogenicity** No information available
**Chronic Effects** No information available
**Target Organ Effects** No information available

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

We have no quantitative data concerning the ecological effects of this product. Should not be released into the environment.

| Component | Freshwater Algae | Freshwater Fish | Water Flea |
|---|---|---|---|
| 1,2-Propylene glycol | 96 Hr EC50 Selenastrum capricornutum: 19000 mg/L | 96 Hr LC50 Oncorhynchus mykiss: 51600 mg/L [static]; 96 Hr LC50 Pimephales promelas:51400 mg/L[ static ] | 48 Hr EC50 water flea: >10000 mg/L |

**Persistence and Degradability** No information available
**Bioaccumulation** No information available
**Mobility in Environmental Media** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of contents/container in accordance with local regulation.

**Contaminated Packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

**DOT**

Printing Ink, Not Regulated

**ICAO/IATA**

Not classified as dangerous in the meaning of transport regulations

**IMDG/IMO**

Not classified as dangerous in the meaning of transport regulations

## 15. REGULATORY INFORMATION

**International Inventories**

Listed on TSCA. For further information, please contact: Manufacturer, importer, supplier

**U.S. Federal Regulations**

**SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any HAPs.

**U.S. State Regulations**

**California Prop. 65** WARNING! This product contains a chemical known in the State of California to cause cancer. WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

| Component | CAS-No | Weight % |
|---|---|---|
| Acrylamide | 79-06-1 | < 0.0001 |

**State Right-to-Know**

| Component | Minnesota | Florida | New Jersey | Pennsylvania | Massachusetts | Rhode Island |
|---|---|---|---|---|---|---|
| 1,2-Propylene glycol | Not Listed | Not Listed | X | X | Not Listed | X |

**Canada**

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

| Component | WHMIS Classifications of Components |
|---|---|
| 1,2-Propylene glycol | Uncontrolled product according to WHMIS classification criteria |

| Component | NPRI - National Pollutant Release Inventory |
|---|---|
| 1,2-Propylene glycol | Part 4 Substance |

**REACH: Substances of Very High Concern (SVHC): Article 57 of Regulation (EC) No 1907/2006**
Does NOT contain a listed substance

| HMIS: | Health | Flammability | Reactivity | PPE |
|---|---|---|---|---|
| | 1 | 0 | 0 | X |

## 16. OTHER INFORMATION

**Revision Date** Apr-20-2009

**Revision Summary** New MSDS format

**Disclaimer**
**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text**

**End of MSDS**