

43212-1102
-1107
-1109



Material Safety Data Sheet
Prepared in accordance with ISO 11014-1/ANSI standard Z400.1-2004

Print Date Apr-29-2009

Revision Date Apr-29-2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product code 5536
Product name Extender Base
Product description 5500 Series Flat Poster Screen Ink

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, Cheshire 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
Flammable Properties FLAMMABLE LIQUID AND VAPOR.
Emergency Overview Aspiration hazard. Harmful: may cause lung damage if swallowed. May cause drowsiness and dizziness.

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 Harmful if swallowed. Potential for aspiration if swallowed. Risk of serious damage to the lungs (by aspiration).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Stoddard solvent	8052-41-3	10 - 30
Petroleum naphtha, light aromatic	64742-95-6	10 - 30
Limestone	1317-65-3	10 - 30
Talc	14807-96-6	5 - 10
1,2,4-Trimethylbenzene (contaminant)	95-63-6	5 - 10
Ethylene glycol monopropyl ether	2807-30-9	5 - 10
Crystalline silica (cristobalite)	14464-46-1	5 - 10
Ethyl alcohol	64-17-5	1 - 5
Diatomaceous earth	68855-54-9	1 - 5
1,3,5-Trimethylbenzene (contaminant)	108-67-8	1 - 5
Cumene (contaminant)	98-82-8	1 - 5
Quartz, crystalline silica	14808-60-7	< 0.5

- Component names which have the word (contaminant) are constituents contained in Aromatic Hydrocarbon ingredients and are an integral part of the ingredient and cannot be separated. The percentage listed for the contaminant is as contained in the Hydrocarbon ingredient. (Example: 100% Hydrocarbon, 10% Contaminant A, 3% Contaminant B)

4. FIRST AID MEASURES

Product code 5536 - Extender Base

Revision Date Apr-29-2009

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	FLAMMABLE LIQUID AND VAPOR.
Suitable Extinguishing Media	Foam. Carbon dioxide (CO2). Dry chemical. Water spray. 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	Keep product and empty container away from heat and sources of ignition. Risk of ignition. 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	Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. 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.

Product code 5536 - Extender Base

Revision Date Apr-29-2009

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component	Weight %	ACGIH TLV	OSHA PEL	Ontario TWA/EV
Stoddard solvent	10 - 30	TWA: 100 ppm	TWA: 100 ppm TWA: 525 mg/m ³ TWA: 2900 mg/m ³ TWA: 500 ppm	TWA: 525 mg/m ³
Limestone	10 - 30		TWA: 15 mg/m ³ TWA: 5 mg/m ³	
Talc	5 - 10	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³
1,2,4-Trimethylbenzene (contaminant)	5 - 10	TWA: 25 ppm		TWA: 25 ppm TWA: 123 mg/m ³
Ethylene glycol monopropyl ether	5 - 10			TWA: 25 ppm TWA: 110 mg/m ³ Skin
Crystalline silica (cristobalite)	5 - 10	TWA: 0.025 mg/m ³	TWA: 0.05 mg/m ³	TWA: 0.05 mg/m ³
Ethyl alcohol	1 - 5	TWA: 1000 ppm	TWA: 1900 mg/m ³ TWA: 1000 ppm	TWA: 1900 mg/m ³ TWA: 1000 ppm
1,3,5-Trimethylbenzene (contaminant)	1 - 5	TWA: 25 ppm		TWA: 123 mg/m ³ TWA: 25 ppm
Cumene (contaminant)	1 - 5	TWA: 50 ppm	TWA: 245 mg/m ³ TWA: 50 ppm Skin	TWA: 50 ppm TWA: 245 mg/m ³ Skin
Quartz, crystalline silica	< 0.5	TWA: 0.025 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.10 mg/m ³

Component	Weight %	NIOSH IDLH	Mexico OEL (TWA)
Stoddard solvent	10 - 30	20000 mg/m ³	TWA: 523 mg/m ³ TWA: 100 ppm STEL: 200 ppm STEL: 1050 mg/m ³
Limestone	10 - 30		TWA: 10 mg/m ³ STEL: 20 mg/m ³
Talc	5 - 10	1000 mg/m ³ containing no asbestos and <1% quartz	TWA: 2 mg/m ³
1,2,4-Trimethylbenzene (contaminant)	5 - 10		TWA: 125 mg/m ³ TWA: 25 ppm STEL: 35 ppm STEL: 170 mg/m ³
Crystalline silica (cristobalite)	5 - 10	25 mg/m ³	TWA: 0.05 mg/m ³
Ethyl alcohol	1 - 5	3300 ppm 10% LEL	TWA: 1000 ppm TWA: 1900 mg/m ³
1,3,5-Trimethylbenzene (contaminant)	1 - 5		TWA: 125 mg/m ³ TWA: 25 ppm STEL: 35 ppm STEL: 170 mg/m ³
Cumene (contaminant)	1 - 5	900 ppm 10% LEL	TWA: 245 mg/m ³ TWA: 50 ppm STEL: 365 mg/m ³ STEL: 75 ppm
Quartz, crystalline silica	< 0.5	50 mg/m ³	TWA: 0.1 mg/m ³

NIOSH IDLH: Immediately Dangerous to Life or Health

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.

Product code 5536 - Extender Base

Revision Date Apr-29-2009

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	No information available	Autoignition Temperature	No information available
Boiling point/Boiling Range	>149°C / >300°F	Melting Point/Range	No information available
Freezing Point/Range	No information available	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	Flash Point	29°C / 85°F
Flammability Limits in Air		Method	Pensky Martens Closed Cup (PMCC)
Upper No information available		Photochemically Reactive	Yes
Lower No information available		Specific Gravity	1.105
Weight Per Gallon (lbs/gal)	9.205	VOC by volume	70.91
VOC by weight	52.918	VOC grams/liter	584.275
VOC lbs/gal	4.876		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat, flames and sparks.
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
Petroleum naphtha, light aromatic	8400 mg/kg (Rat)	2000 mg/kg (Rabbit)	5.2 mg/L (Rat) 4 h 3400 ppm (Rat) 4 h
1,2,4-Trimethylbenzene (contaminant)	3400 mg/kg (Rat) 8970 mg/kg (Rat)	3160 mg/kg (Rabbit)	18 g/m ³ (Rat) 4 h
Ethylene glycol monopropyl ether	3089 mg/kg (Rat)	960 µL/kg (Rabbit)	
Ethyl alcohol	7060 mg/kg (Rat)		
1,3,5-Trimethylbenzene (contaminant)	8970 mg/kg (Rat) 5000 mg/kg (Rat)		24 g/m ³ (Rat) 4 h
Cumene (contaminant)	1400 mg/kg (Rat)	3160 mg/kg (Rabbit)	39000 mg/m ³ (Rat) 4 h
Quartz, crystalline silica	500 mg/kg (Rat)		

Chronic Toxicity

Product code 5536 - Extender Base

Revision Date Apr-29-2009

Component	ACGIH	IARC	NTP	OSHA
Crystalline silica (cristobalite)	A2	Group 1		X
Ethyl alcohol		Group 1		X
Quartz, crystalline silica	A2	Group 1	Known	X

Legend:

ACGIH: (American Conference of Governmental Industrial Hygienists)
IARC: (International Agency for Research on Cancer)
OSHA: (Occupational Safety & Health Administration)

A2 - Suspected Human Carcinogen
 Group 1 - Carcinogenic to Humans
 X - Present

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	Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system.
Target Organ Effects	Blood, Central nervous system, Central Vascular System, Eyes, Kidney, Liver, Lungs, Reproductive System, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

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
Petroleum naphtha, light aromatic		96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L	48 Hr EC50 Daphnia magna: 6.14 mg/L
Talc		96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]	
1,2,4-Trimethylbenzene (contaminant)		96 Hr LC50 Pimephales promelas: 7.72 mg/L [flow-through]	48 Hr EC50 Daphnia magna: 6.14 mg/L
Ethyl alcohol		96 Hr LC50 Oncorhynchus mykiss: 12900 mg/L [flow-through] (30 days old); 96 Hr LC50 Pimephales promelas: 14.2 mg/L	48 Hr EC50 Daphnia magna: 9268 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L
1,3,5-Trimethylbenzene (contaminant)		96 Hr LC50 Pimephales promelas: 3.48 mg/L 96 Hr LC50 Pimephales promelas: 7.72 mg/L [flow-through]	24 Hr EC50 water flea: 50 mg/L
Cumene (contaminant)	72 Hr EC50 Selenastrum capricornutum: 2.6 mg/L	96 Hr LC50 Oncorhynchus mykiss: 4.8 mg/L [flow-through]	48 Hr EC50 water flea: 0.6 mg/L

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

Component	log Pow
Ethyl alcohol	-0.32

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.

Product code 5536 - Extender Base

Revision Date Apr-29-2009

14. TRANSPORT INFORMATION**DOT**

UN1210, Printing Ink, 3, III

ICAO/IATA

UN1210, Printing Ink, 3, III

IMDG/IMO

UN1210, Printing Ink, 3, III

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Ethylene glycol monopropyl ether	2807-30-9	5 - 10	1.0
1,2,4-Trimethylbenzene (contaminant)	95-63-6	5 - 10	1.0
Cumene (contaminant)	98-82-8	1 - 5	1.0

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

This product contains the following HAPs:

Component	CAS-No	Weight %
Ethylene glycol monopropyl ether	2807-30-9	5 - 10
Cumene (contaminant)	98-82-8	1 - 5

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 %
Quartz, crystalline silica	14808-60-7	< 0.5
Lead	7439-92-1	< 0.0001
Mercury	7439-97-6	< 0.0001
Arsenic	7440-38-2	< 0.0001
Cadmium and compounds (as Cd)	7440-43-9	< 0.0001
Ethyl benzene (contaminant)	100-41-4	< 0.1
Ethyl alcohol	64-17-5	1 - 5
Toluene	108-88-3	< 0.01
Benzene	71-43-2	< 0.001

State Right-to-Know

Component	Minnesota	Florida	New Jersey	Pennsylvania	Massachusetts	Rhode Island
Stoddard solvent	Not Listed	Not Listed	X	X	X	X
Petroleum naphtha, light aromatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Limestone	Not Listed	Not Listed	X	X	X	X
Talc	Not Listed	Not Listed	X	X	X	X
1,2,4-Trimethylbenzene (contaminant)	Not Listed	Not Listed	X	X	X	X

Product code 5536 - Extender Base

Revision Date Apr-29-2009

Ethylene glycol monopropyl ether	Not Listed	Not Listed	X	X	Not Listed	Not Listed
Crystalline silica (cristobalite)	Not Listed	Not Listed	X	X	X	Not Listed
Ethyl alcohol	Not Listed	Not Listed	X	X	X	X
Diatomaceous earth	Not Listed	Not Listed	Not Listed	X	Not Listed	Not Listed
1,3,5-Trimethylbenzene (contaminant)	Not Listed	Not Listed	X	X	X	X
Cumene (contaminant)	Not Listed	Not Listed	X	X	X	X
Quartz, crystalline silica	Not Listed	Not Listed	X	X	X	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
Stoddard solvent	B3, D2B
Petroleum naphtha, light aromatic	B3, D2B
Limestone	D2A
Talc	D2A
1,2,4-Trimethylbenzene (contaminant)	B3
Ethylene glycol monopropyl ether	B3, D1B, D2B
Crystalline silica (cristobalite)	D2A
Diatomaceous earth	D2A
1,3,5-Trimethylbenzene (contaminant)	B3
Cumene (contaminant)	B2
Quartz, crystalline silica	D2A

Component	NPRI - National Pollutant Release Inventory
Stoddard solvent	Part 5 Substance
Petroleum naphtha, light aromatic	Part 5 Substance
1,2,4-Trimethylbenzene (contaminant)	Part 1, Group 1 Substance; Part 5 Substance Part 5 Substance (except 1,2,4-Trimethyl benzene) Part 4 Substance
Ethylene glycol monopropyl ether	Part 4 Substance
Ethyl alcohol	Part 5 Substance Part 4 Substance
1,3,5-Trimethylbenzene (contaminant)	Part 5 Substance (except 1,2,4-Trimethyl benzene) Part 4 Substance
Cumene (contaminant)	Part 4 Substance Part 1, Group 1 Substance

REACH: Substances of Very High Concern (SVHC): Article 57 of Regulation (EC) No 1907/2006

Does NOT contain a listed substance

HMIS: Health 2* Flammability 3 Reactivity 0 PPE X

16. OTHER INFORMATION

Revision Date Apr-29-2009

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