

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

NASHUA CORPORATION

44 FRANKLIN ST., NASHUA, NH 03061

MATERIAL SAFETY DATA SHEET

AP 807 (4/86)

MSD #293

IDENTITY (As Used on Label and List)
Type 50D, 70D, 76D 35D Dispersant

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Nashua Corporation	Emergency Telephone Number 1-(603)-880-5555
Address (Number, Street, City, State, and ZIP Code) 44 Franklin Street Nashua, NH 03061	Telephone Number for Information 1-800-258-1370
Date Prepared April 15, 1986	Revised: 1-29-87
Printed Name of Preparer R. L. Sevigny	Manufacturing Div. OPD

Section II — Components and Hazardous Information

Components (Specific Chemical Identity; Common Name(s))	PERCENT	OSHA PEL	ACGIH TLV	CAS NO.
ISOPAR PETROLEUM HYDROCARBON	(100%)	NA	300ppm*	64742-48-9

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

HEALTH	FLAMMABILITY	REACTIVITY	BASIS
1	2	0	*

*Recommended by Exxon Co.

Section III — Physical/Chemical Characteristics

Boiling Point (°F)	155-193°C	Specific Gravity (H ₂ O = 1)	0.75
Vapor Pressure (mm Hg.)	<10 @ 25°C	Melting Point	NA
Vapor Density (AIR = 1)	5.0	Evaporation Rate (Butyl Acetate = 1)	0.3
Solubility in Water	<0.1%		

Appearance and Odor

Clear liquid, Paraffinic Hydrocarbon odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) 112°F Tag Closed Cup	Flammable Limits	LEL 0.8	UEL 7.0
Extinguishing Media Foam, Dry Chemicals, CO ₂			

Special Fire Fighting Procedures

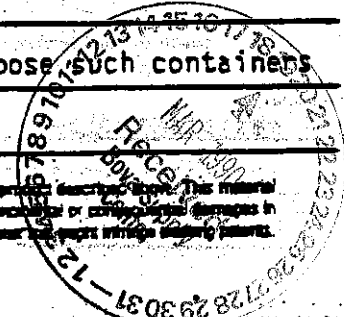
Use water fog to cool fire exposed containers. Use self contained breathing apparatus.

Unusual Fire and Explosion Hazards

Used containers retain residues. Do not pressurize, cut, weld, or expose such containers to heat, flame or spark.

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Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid Strong oxidizers, High Temperatures
	Stable	X	

Incompatibility (Materials to Avoid) Strong oxidizers, liquid chlorine, concentrated oxygen

Hazardous Decomposition or Byproducts Fumes, smoke, carbon monoxide, aldehydes

Hazardous Polymerization	May Occur		Conditions to Avoid None Known
	Will Not Occur	X	

Section VI — Health Hazard Data

Routes of Entry:	Inhalation? X	Skin? X	Ingestion? X
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Health Hazards (Acute and Chronic) High vapor concentration may cause headache and dizziness and may have effect on central nervous system. Prolonged or repeated skin contact removes skin oil leading to irritation and dermatitis.

Minute amounts aspirated into the lungs during ingestion may cause severe pulmonary injury.

Carcinogenicity: No	NTP? No	IARC Monographs? No	OSHA Regulated? No
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Signs and Symptoms of Exposure Irritation of eyes and respiratory tract. Headache and dizziness.

Medical Conditions Generally Aggravated by Exposure No data available.

Emergency and First Aid Procedures Inhalation: remove to fresh air, if overcome call physician.
Eye Contact: Flush with water until irritation subsides-if irritation persists call a physician.
Skin Contact: Wash thoroughly with soap and water;
Ingestion: Call physician immediately, do not induce vomiting.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled Shut off electricity and eliminate all ignition sources. Recover free liquid. Add suitable absorbent to spill area. Keep product out of sewers and watercourses.

Waste Disposal Method Combustible product. Incinerate in accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing Keep containers closed when not in use. Do not handle or store near heat, spark or strong oxidizers.

Other Precautions Ground product transfer system to prevent fire or explosion risk from static accumulation and discharge.

Section VIII — Control Measures

Respiratory Protection (Specify type) Wear MSHA/NIOSH approved respirator whenever prolonged exposure to vapor is likely.

Ventilation	Local Exhaust Normal office conditions	Special Use only with adequate ventilation.
	Mechanical (General) Normal office conditions	Other No smoking or open flames.

Protective Gloves Chemical resistant gloves. Eye Protection Splash goggles.

Other Protective Clothing or Equipment Eye wash station, safety shower.

Work/Hygiene Practices Minimize breathing vapor or mist. Avoid prolonged skin contact.

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 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

NASHUA CORPORATION

44 FRANKLIN ST., NASHUA, NH 03061

MATERIAL SAFETY DATA SHEET

AP 807 (4/86)

IDENTITY (As Used on Label and List)
 Type 50T Toner

Note: Blank spaces are not permitted. If any item is not applicable, or no
 information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Nashua Corporation	Emergency Telephone Number 1-(603)-880-5555
Address (Number, Street, City, State, and Zip Code) 44 Franklin Street	Telephone Number for Information 1-800-258-1370
Nashua, NH 03061	Date Prepared April 15, 1986 Revised: 1-29-87
Printed Name of Preparer R. L. Sevigny	Manufacturing Div. OPD

Section II — Components and Hazardous Information

Components (Specific Chemical Identity; Common Name(s))	PERCENT	OSHA PEL	ACGIH TLV	CAS NO.
ISOPAR PETROLEUM HYDROCARBON	(>85%)	NA	300ppm*	64742-48-9
CARBON BLACK	(<5.0%)	3.5mg/m ³	3.5mg/m ³	1333-86-4
COMPLEX MIXTURE OF ACRYLIC COPOLYMERS	(<10.0%)	NA	NA	NA

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

HEALTH	FLAMMABILITY	REACTIVITY	BASIS
1	2	0	*

*Recommended by Exxon Co.

Section III — Physical/Chemical Characteristics

Boiling Point (°F) Isopar	315-348 ^o F	Specific Gravity (H ₂ O = 1)	<1.0
Vapor Pressure (mm Hg.)	<10@25 ^o C	Melting Point	NA
Vapor Density (AIR = 1)	5.0	Evaporation Rate (Butyl Acetate = 1)	Isopar 0.3

Solubility in Water

Immiscible

Appearance and Odor

Black Mobile Liquid, Paraffinic Hydrocarbon Odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) 103 ^o F Tag Closed Cup	Flammable Limits	LEL 0.8 Isopar	UEL 7.0 Isopar
Extinguishing Media Foam, Dry Chemicals, CO ₂ , Water Fog			

Special Fire Fighting Procedures

Use self contained breathing apparatus. Cool exposed containers with water spray.

Unusual Fire and Explosion Hazards

Used containers retain residues. Do not pressurize, cut, weld or expose such containers
 to heat, flame, or spark.

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Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid Strong oxidizers, High Temperatures
	Stable	X	

Incompatibility (Materials to Avoid)

Strong oxidizers, liquid chlorine, concentrated oxygen

Hazardous Decomposition or Byproducts

Fumes, smoke, carbon monoxide, aldehydes

Hazardous Polymerization	May Occur		Conditions to Avoid None Known
	Will Not Occur	X	

Section VI — Health Hazard Data

Routes of Entry:	Inhalation? X	Skin? X	Ingestion? X
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Health Hazards (Acute and Chronic)

High vapor concentration may cause headache and dizziness and may have effect on central nervous system. Prolonged or repeated skin contact removes skin oil leading to irritation and dermatitis.

Minute amounts aspirated into the lungs during ingestion may cause severe pulmonary injury.

Carcinogenicity: No	NTP? No	IARC Monographs? No	OSHA Regulated? No
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Signs and Symptoms of Exposure

Irritation of eyes and respiratory tract. Headache and dizziness.

Medical Conditions

Generally Aggravated by Exposure No data available.

Emergency and First Aid Procedures

Inhalation: remove to fresh air, if overcome call physician.
 Eye Contact: Flush with water until irritation subsides-if irritation persists call a physician
 Skin Contact: Wash thoroughly with soap and water;
 Ingestion: Call physician immediately, do not induce vomiting.

Section VII — Precautions for Safe Handling and Use**Steps to Be Taken in Case Material is Released or Spilled**

Shut off electricity and eliminate all ignition sources. Recover free liquid. Add suitable absorbent to spill area. Keep product out of sewers and watercourses.

Waste Disposal Method

Combustible product. Incinerate in accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Keep containers closed when not in use. Do not handle or store near heat, spark or strong oxidizers.

Other Precautions

Ground product transfer system to prevent fire or explosion risk from static accumulation and discharge.

Section VIII — Control Measures

Respiratory Protection (Specify Type) None required when product is used as intended. Wear MSHA/NIOSH approved respirator whenever prolonged exposure to vapors is likely.

Ventilation	Local Exhaust Normal office conditions	Special Use only with adequate ventilation.
	Mechanical (General) Normal office conditions	Other No smoking or open flames.

Protective Gloves

Chemical resistant gloves.

Eye Protection

Splash goggles.

Other Protective Clothing or Equipment

Eye wash station, safety shower.

Work/Hygenic Practices

Minimize breathing vapor or mist. Avoid prolonged skin contact.