Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR (\$10.1200. Standard must be consumed for specific requirements.

NASHUA CORPORATION

44 FRANKLIN ST., NASHUA, NH 03061

MATERIAL SAFETY DATA SHEET

AP 807 (4786)

MSD S#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 Manutacturer s Name Emergency Telephone Number 1-(603) - 880 - 5555 Nashua Corporation Address (Number, Street, City, State, and ZIP Code)
44 Franklin Street Telephone Number for Information 1-800-258-1370 Date Prepared Revised: 1-29-87 Nashua, NH 03061 April 15, 1986 Printed Name of Preparer Manufacturing Div. OPD R. L. Sevigny Section II - Components and Hazardous Information PERCENT OSHA PEL **ACGIH TLV** CAS NO. Components (Specific Chemical Identity; Common Name(s)) 300ppm* 64742-48-9 NA (100%)ISOPAR PETROLEUM HYDROCARBON HATAPOOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) BASIS FLAMMABILITY REACTIVITY **HEALTH** *Recommended by Exxon Co. Section III - Physical/Chemical Characteristics Boiling Point (°F) Specific Gravity (H₂O = 1) 155-193⁰C 0.75 Melting Point Vapor Pressure (mm Hg.) **<**10 @ 25℃ NA Evaporation Rate Vapor Density (AIR = 1) 0.3 5.0 (Butvi Apetate = 1) Solubility in Water . < 0.1% Appearance and Odor Clear liquid, Paraffinic Hydrocarbon odor Section IV - Fire and Explosion Hazard Data Fissh Point (Method Used) 0.8 7.0 112°F Tag Closed Cup Extinguishing Media Foam, Dry Chemicals. Special Fire Fighting Procedures Communication Communication Use water for to cool fire exposed containers. Use self contained breathing apparatus of the state of th Unusual Fire and Explosion Hazards Do not pressurize, cut, weld, or expose such contained Used containers retain residues. to heat. flame or spark.

Where this immerial is furnished in pood faith, NO WARRANTY EXPRESS OR IMPLIED, OF MERCHANDABILITY FITNESS OR OTHERWISE IS MADE as to the principle only for your consideration and leastest. Corporation including its divisions; afficients and authorities, shall not in any event be labble for special, with commission with its publication. Linewise, no statement, made herein shall be construed as a permission or recommendation for the use of any product in a fluxest

(Continued on reverse side)

| | Linstable | | Conditions to Avoid | |
|--|--|---|---|--|
| Stabiliny | Ulistacie | | Strong ox | cidizers, High Temperatures |
| | SIRDH | X | | |
| ncompatability (Ma | tenais to Avoid) | | xidizers, liquid chlorim | ne concentrated oxygen |
| tazaroous Decomp | SUT DOSITION OF BYPROOF | 225 | | |
| nazaropus | May Occur | 1 Tum | es, smoke, carbon monox [*] I Conditions to Avoid | ide, aldenydes |
| olymerization | | | None Known | |
| | Will Not Occur | X | | |
| Section VI - I | iealth Hazard | Deta | | |
| houses of Entry: | inhali | tion? | Skin? | ingestion? |
| Health Hazards (Ac ligh vapor c Hervous syst Hermatitis. | nncentratio | n may | cause headache and diz | removes skin oil leading to irritation and |
| inute amoun | ts aspirate | edint | o the lungs during inge | stion may cause severe pulmonary injury. |
| Carcinogenicity: | NTP? No | | IARC Monographs? | OSHA Regulated? No |
| | | | • | |
| rritation of Medical Conditions Senerally Appravat | | | ratory tract. Headache | and dizziness. |
| memenny and Fig | . Aid Procedures | Inhal | ation: remove to fresh | air. if overcome call physician. |
| ve Contact: | Elich with | 111110 | acton temove to tresi | |
| | FIUSH WILL | 1 Walt | er until irritation sups | ides-if irritation persists call a physic |
| kin Contact | : Wash thorall physic | oughlian in | y with soap and water; mediately, do not induc | air, if overcome call physician, ides-if irritation persists call a physic e vomiting. |
| kin Contact noestion: C | : Wash thor all physic | cough) | y with soap and water; mediately, do not induction fe Handling and Use | e vomiting. |
| Skin Contact ingestion: (Section VII — | : Wash thomall physic: Precautions | oughlian in for Sa | y with soap and water; mediately, do not induc fe Handling and Use | e vomiting. |
| kin Contact indestion: C Section VII — Seps to Be Taken II Shut off ele | Wash thought in the control of the c | oughlian in for Sa Releases | y with soap and water; mediately, do not inductive He Handling and Use For Spilled all ignition sou | e vomiting. rces. Recover free liquid. Add suitable |
| kin Contact indestion: C Section VII — Seps to Be Taken II Shut off ele | Wash thought in the control of the c | oughlian in for Sa Releases | y with soap and water; mediately, do not induc fe Handling and Use | e vomiting. rces. Recover free liquid. Add suitable |
| kin Contact noestion: (Section VII — Seps to Be Taken to Shut off ele bsorbent to | Wash thomall physics Precautions Case Mamerial is ctricity as | for Sa Released nd eli | y with soap and water; mediately, do not inducted the Handling and Use sor Spilled minate all ignition source product out of sewer | e vomiting. rces. Recover free liquid. Add suitable s and watercourses. |
| Skin Contact indestion: C Section VII — Steps to Be Taken to Shut off ele absorbent to | Wash thomall physics Precautions Case Mamerial is ctricity as | for Sa Released nd eli | y with soap and water; mediately, do not inducted the Handling and Use sor Spilled minate all ignition source product out of sewer | e vomiting. rces. Recover free liquid. Add suitable |
| Section VII — Section VII — Seps to Be Taken to hut off ele boorbent to waste Disposal Me Combustible | Wash thomall physics Precautions Case Manerial is ectricity and spill area hod product. In | for Sar for Sar heleseond eli a. Ke | y with soap and water; mediately, do not induct the Handling and Use sor Spilled minate all ignition source product out of sewer ate in accordance with | e vomiting. rces. Recover free liquid. Add suitable s and watercourses. |
| kin Contact noestion: (Section VII — Seps to Be Taken in hut off ele bsorbent to vasie Disposal Me Combustible | Precautions Case Material is ctricity at spill area hos product. It | for Sar for Sa | y with soap and water; mediately, do not inducted Handling and Use of Spilled all ignition source product out of sewer ate in accordance with | e vomiting. rces. Recover free liquid. Add suitable s and watercourses. local, state and federal regulations. |
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| kin Contact noestion: (Section VII — Sectio | Wash thomall physics Precautions Case Material is ctricity at spill area hod product. It aken in Handling at ers closed idizers. | for Sarand eliner | y with soap and water; mediately, do not induct fe Handling and Use for Spilled all ignition source product out of sewer ate in accordance with not in use. Do not han tem to prevent fire or e | e vomiting. rces. Recover free liquid. Add suitable s and watercourses. local, state and federal regulations. dle or store near heat, spark |
| Rection VII — Rection VII — Repto Be Taken in the Off ele borbent to Vasie Disposal Mer combustible Precautions to Be Taken in strong ox Other Precautions Council productions Council accumulation | Precautions Case Material is ctricity at spill area hod product. It aken in Handling a iers closed idizers. ict transfer and disch | for Sand ellar Kenciner mossoria when r systarge. | y with soap and water; mediately, do not induct fe Handling and Use for Spilled all ignition source product out of sewer ate in accordance with not in use. Do not han tem to prevent fire or e | rces. Recover free liquid. Add suitable s and watercourses. local, state and federal regulations. dle or store near heat, spark explosion risk from static |
| kin Contact noestion: (Section VII — Section VII — Seps to Be Taken in hut off ele bsorbent to vasie Disposal Mer combustible Precautions to Be Taken in trestrong or or strong or or productions council productions accumulation | Wash thorall physics Precautions Case Material is ctricity at spill area spill area chood product. It is aken in Handling at ers closed idizers. Ict transfer and discharge in the control Meas | for Sarand elina Kenciner no Storia when systange. | y with soap and water; mediately, do not induct the Handling and Use so spilled minate all ignition source product out of sewer ate in accordance with the mot in use. Do not han the mot in use. Do not han the mot in use. | rces. Recover free liquid. Add suitable s and watercourses. local, state and federal regulations. adle or store near heat, spark explosion risk from static |
| kin Contact noestion: Contect noestion: Contect Section VII — Seps to Be Taken in Shut off ele ibsorbent to vasie Disposal Mer Combustible Precautions to Be Taken or strong or other Precautions cround product accumulation | wash thomall physics Precautions Case Material is ectricity at spill area hod product. It aken in Handling a ers closed idizers. ect transfer and disch Control Meas on (Specify hype) USH-approv | for Sarand elina Kenciner no Storia when systange. | y with soap and water; mediately, do not induct the Handling and Use so spilled minate all ignition source product out of sewer ate in accordance with the mot in use. Do not han the mot in use. Do not han the mot in use. | rces. Recover free liquid. Add suitable s and watercourses. local, state and federal regulations. dle or store near heat, spark explosion risk from static |
| Asse Disposal Merounder Precautions to Be Taken in Combustible Precautions to Be Take | wash thomall physics Precautions Case Material is ctricity at spill area hod product. It aken in Handling at ers closed idizers. ict transfer and dischard Control Meas on (Specify Type) USH approv | for Sar for Sar for Sar feleseon del 1 Ke nciner when syst arge. | y with soap and water; mediately, do not inductive Handling and Use or spilled all ignition source product out of sewer ate in accordance with not in use. Do not han tem to prevent fire or espirator whenever prolon | rces. Recover free liquid. Add suitable s and watercourses. local, state and federal regulations. dele or store near heat, spark explosion risk from static aged exposure to vapor is likely. Special Use only with adequate ventiliation. |
| Skin Contact ingestion: Contact ingestion: Contact ingestion: Contact ingestion VII — Section VIII — Contact ingestion via | wash thomall physics Precautions Case Material is ctricity at spill area hod product. It aken in Handling at ers closed idizers. ct transfer and disch Control Meas on (Speathy hype) Local Exhaust Norma | for Sar for Sa | y with soap and water; mediately, do not induct the Handling and Use for Spilled all ignition source product out of sewer ate in accordance with not in use. Do not han tem to prevent fire or espirator whenever prolonice conditions | rces. Recover free liquid. Add suitable s and watercourses. local, state and federal regulations. dele or store near heat, spark explosion risk from static aged exposure to vapor is likely. Special Use only with adequate ventiliation. |
| Rection VII — Reps to Be Taken in the off electron vision to the observations to be Taken in the observations to be Taken in the observations to be Taken in the observations of the observation vision | wash thomall physics Precautions Case Material is ctricity at spill area hod product. It aken in Handling a lers closed idizers. ct transfer and disch Control Meas on (Specify Type) OSH approv Local Exhaust Norma Mechanical (Giller) Norma | ian imitor Sar Released eli Kenciner when when sort when | y with soap and water; mediately, do not induct the Handling and Use for Spilled all ignition source product out of sewer ate in accordance with not in use. Do not han the ten to prevent fire or expirator whenever prolonice conditions ice conditions | rces. Recover free liquid. Add suitable s and watercourses. local, state and federal regulations. dle or store near heat, spark explosion risk from static ged exposure to vapor is likely. Special Use only with adequate ventillation. Other No smoking or open flames. |
| Rection VII — Repiratory Procession Precautions to Be Taken in the Office of the Internations to Be Taken in the Internations to Be Taken in the Internations to Be Taken in the Internations of the Internations of the Internation of the Inte | wash thomall physics Precautions Case Material is ctricity at spill area spill area hod product. It was a spill area aken in Handling a lers closed and dischalaters. Ict transfer and dischalaters on (Specify Type) USH approv Local Exhaust Machanical (Gallet Normal Stant old the sping of Fourignment and the sping of | for Sarain for Sarain Storia when systange. Sures ed res ed res off ves. | y with soap and water; mediately, do not induct the Handling and Use of Spilled all ignition source product out of sewer ate in accordance with not in use. Do not han tem to prevent fire or espirator whenever prolonice conditions ice conditions | rces. Recover free liquid. Add suitable s and watercourses. local, state and federal regulations. dle or store near heat, spark explosion risk from static special exposure to vapor is likely. Special only with adequate ventilization. Other No smoking or open flames. |

Material Safety Data Sheet

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NASHUA CORPORATION

44 FRANKLIN ST., NASHUA, NH 03061

MATERIAL SAFETY DATA SHEET

AP 807 (4/86)

| DENTITY (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 | - | Emergency Te | lephone Number | .(603) . 880 | -5555 |
| Nashua Corporation Address (Number, Street, City, State, and Zin Code) | | 1 • (603) • 880 - 5555 Telephone Number for Information | | | |
| 44 Franklin Street | | 1-800-258-1370 | | | |
| Nashua, NH 03061 | <i>.</i> | Date Prepared April 15 | , 1986 | Revised: 1- | |
| | | Printed Name R. L. Sev | • | | Aanufacturing Div. OPD |
| Section II — Components and Hazardous In | formation | | · | | |
| 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 COPOLYM | !ERS | (<10.0%) | NA | NA | NA |
| COMPLEX PIXTORE OF ACRIETO GOLDEN | | (33 2 3 3 7) | | | |
| HAZARDOUS MATERIALS IDENTIFICATION | SYSTEM (HM | 15) | | · | |
| HEALTH FLAMMABILITY | | TIVITY | BASIS | | |
| | | 0 | * | | |
| 1 2 | · | U | | | |
| *Recommended by Exxon Co. | | | | | |
| Section III — Physical/Chemical Characteris | stics | | ity (H ₂ O = 1) | | |
| Section III — Physical/Chemical Characteris | | Specific Grav | ity (H ₂ O = 1) | | <1.0 |
| Section III — Physical/Chemical Characteris | stics 315-348 ⁰ F <10025 ⁰ C | | | | <1.0 NA |
| Section III — Physical/Chemical Characteris Boiling Point (°F) Isopar | 315-348 ⁰ F | Specific Grave Melting Point Evaporation F | Rate | Isopar | |
| Section III — Physical/Chemical Characteris Boiling Point (°F) I sopar Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water | 315-348 ⁰ F | Specific Grave Melting Point Evaporation F | Rate | Isopar | NA |
| Section III — Physical/Chemical Characteris Boiling Point (°F) Isopar Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Immiscible | 315-348 ⁰ F | Specific Grave Melting Point Evaporation F | Rate | Isopar | NA |
| Section III — Physical/Chemical Characteris Boiling Point (°F) Isopar Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Immiscible Appearance and Odor | 315-348 ⁰ F <10025 ⁰ C 5.0 | Specific Grave Melting Point Evaporation F (Butyl Acetate | Rate | Isopar | NA |
| Section III — Physical/Chemical Characteris Boiling Point (°F) Isopar Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Immiscible Appearance and Odor Black Mobile Liquid, Paraffir | 315-348 ⁰ F <10025 ⁰ C 5.0 | Specific Grave Melting Point Evaporation F (Butyl Acetate | Rate | Isopar | NA |
| Section III — Physical/Chemical Characteris Boiling Point (°F) Isopar Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Immiscible Appearance and Odor Black Mobile Liquid, Paraffir Section IV — Fire and Explosion Hazard Da Flash Point (Method Used) | 315-348 ⁰ F <10025 ⁰ C 5.0 | Specific Grave Melting Point Evaporation F (Butyl Acetate | Rate 5 ± 1) | Isopar LEL 0.8 Iso | NA 0,3 |
| Section III — Physical/Chemical Characteris Boiling Point (°F) Isopar Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Immiscible Appearance and Odor Black Mobile Liquid, Paraffir Section IV — Fire and Explosion Hazard Da | 315-348 ⁰ F <10025 ⁰ C 5.0 nic Hydrocar | Specific Grav Melting Point Evaporation F (Butyl Acetate | Rate 5 ± 1) | LEL | NA 0,3 |
| Section III — Physical/Chemical Characteris Boiling Point (°F) Isopar Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Immiscible Appearance and Odor Black Mobile Liquid, Paraffir Section IV — Fire and Explosion Hazard Da Flash Point (Method Used) 103° F Tag Closed Cup Extinguishing Media Foam, Dry Chemicals, | 315-348°F <10025°C 5.0 1ic Hydrocar ta CO ₂ , Water | Specific Grave Melting Point Evaporation F (Butyl Acetate | Rate imits | D.8 Iso | NA 0.3 Dan 7.0 Isopa |
| Section III — Physical/Chemical Characteris Boiling Point (°F) Isopar Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Immiscible Appearance and Odor Black Mobile Liquid, Paraffir Section IV — Fire and Explosion Hazard Da Flash Point (Method Used) 103°F Tag Closed Cup Extinguishing Media Foam, Dry Chemicals, | 315-348°F <10025°C 5.0 1ic Hydrocar ta CO ₂ , Water | Specific Grave Melting Point Evaporation F (Butyl Acetate | Rate imits | D.8 Iso | NA 0.3 Dan 7.0 Isopa |
| Section III — Physical/Chemical Characteris Boiling Point (°F) Isopar Vapor Pressure (mm Hg.) Vapor Density (AIR = 1) Solubility in Water Immiscible Appearance and Odor Black Mobile Liquid, Paraffir Section IV — Fire and Explosion Hazard Da Flash Point (Method Used) 103°F Tag Closed Cup Extinguishing Media Foam, Dry Chemicals, | 315-348°F <10025°C 5.0 nic Hydrocar ta CO ₂ , Water ratus. Cool | Specific Grave Melting Point Evaporation F (Butyl Acetate bon Odor Flammable L Fog exposed (| Rate imits | D.8 Iso ith water sp | NA 0.3 Dan 7.0 Isopa |

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(Continued on reverse side)

| Section V - F | Reactivity Data | - | | |
|--|--|------------------|--|---|
| Stability | Unstable | | Conditions to Avoid Strong OX | idizers, High Temperatures |
| | Stable | х | | |
| Incompatability (Ma | terials to Avoid) | 1 | rur - land shlowin | o concentrated oxygen |
| Hazardous Decom | Stro position or Byproduc | ts | xidizers, liquid chlorin | · |
| - Canada | L May Coour | Fume: | s, smoke, carbon monoxi | de, aldenydes |
| Hazardous Polymerization | May Occur | | None Known | |
| | Will Not Occur | X | | |
| Section VI — | Health Hazard D | ata | | |
| Routes of Entry: | Inhalati X | on? | Skin? X | Ingestion? |
| nervous syst dermatitis. | eute and Chronic) concentration cem. Prolong | jed o | r repeated Skin Contact | iness and may have effect on central removes skin oil leading to irritation and |
| Minute amour | its aspirated | lint | o the lungs during inges | tion may cause severe pulmonary injury. |
| Carcinogenicity: | NTP? No | · | IARC Monographs? | OSHA Regulated? No |
| NO | | | | |
| Signs and Sympton Irritation | ns of Exposure of eyes and r | espi | ratory tract. Headache | and dizziness. |
| Medical Conditions Generally Aggravat | ed by Exposure | No d | ata available. | |
| Eye Contact | : Flush with | wate | ation: remove to fresh a r until irritation subs y with soap and water; mediately, do not induce | ir, if overcome call physician. des-if irritation persists call a physician vomiting. |
| Section VII - | Precautions for | or Sa | fe Handling and Use | |
| Steps to Be Taken i | n Case Material is A | eleased e l 1 | or Spilled minate all ignition sour | rces. Recover free liquid. Add suitable |
| | | | ep product out of sewer: | • |
| absorbent to | spill area | 1/2 | cp product out of the | |
| Waste Disposal Me Combustible | thod product. In | ciner | rate in accordance with | local, state and federal regulations. |
| Keep contain | | d Storii when | ng not in use. Do not han | dle or store near heat, spark |
| or strong of Other Precautions | | | entra production of the state o | The wisk from etatio |
| Ground prod | uct transfer | | | xplosion risk from static |
| accumulatio | n and discha | rge. | and the second of the second o | |
| | Control Measu | | and the second s | |
| Respiratory Protect | heneven pro | None | required when product is Lexposure to vapors is l | used as intended. Wear MSHA/NIOSH approved |
| Ventilation | | | ice conditions | Special Use only with adequate ventillation. |
| was the same of | Machanian /Car | in real | ice conditions | Other No smoking or open flames. |
| Protective Gloves | Normal | OTT | Eye Pr | ptection |
| Chemical re | sistant glov othing or Equipmen | t | | Splash goggles. |
| Eye wash st | <u>ation, safet</u> | y sh | ower. | |
| Minimize hr | eathing vano | r or | mist. Avoid prolonged | skin contact. |

entrational confessions, constitut a management action of the confession of the conf