

MATERIAL SAFETY DATA SHEET



Product Name: Pot and Pan Detergent 2433 FS

Manufacturer's Name: ChemStation Northwest (Minneapolis)

Supplier's Name: MINNCOR Industries

Address: 2613 Southeast 4th St.

Supplier's Address: 1450 Energy Park Drive, Suite 110

Minneapolis, MN, 55414

St. Paul, MN 55108

Telephone Number: (612) 723-0788

Telephone Number: (651) 603-0118

Emergency Telephone Number: CHEMTREC (800) 424-9300

Date Prepared: March 3, 2005

SECTION 2 - COMPOSITION

Chemical Name:	CAS No.:	TLV:	%:
Proprietary surfactant blend	none	none	5-10
water	7732-18-5	none	q.s.

This product contains no OSHA, NTP, or IARC listed carcinogens.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Viscous liquid which is irritating.

Eyes: Irritating.

Skin: Irritating

Inhalation (respiratory tract): Irritating.

Ingestion (gastrointestinal tract): Irritating.

Chronic (Cancer) Effects: Components of material do not cause cancer.

Teratology (Birth Defect) Information: Components do not cause birth defects.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush immediately with running water for fifteen minutes. See a physician.

Skin: Flush with water. See a physician if necessary.

Inhalation (respiratory tract): Remove to fresh air. See a physician if necessary.

Ingestion (gastrointestinal tract): Dilute stomach contents with water, if conscious. See a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200 degrees F (non-flammable)

Flammable Limits: None

Autoignition Temperature: None

Extinguishing Media: Product is non-combustible. Water, foam, carbon dioxide or dry chemical may be used.

Special Fire Fighting Procedures: Standard fire fighting procedures apply.

Unusual Fire and Explosion Hazards: No unusual fire hazards.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Action to Take for Spills and Leaks: Small spills should be mopped up. Large spills should be diked with inert absorbent.

Material may be pumped back into container or neutralized for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Do not ingest. Keep out of reach of children.

Storage: Store product in ambient temperature. Avoid freezing or high heat.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

Eye Protection: Safety Eyewear

Skin Protection: Latex, natural rubber, neoprene or nitrile gloves are recommended.

Respiratory Protection: Not normally required. If needed, such as in enclosed areas, use NIOSH-approved mask or respirator to keep concentrations of components below their TLV's.

Other Protective Clothing or Equipment:

Ventilation: Normal room air circulation.

For exposure control levels such as Threshold Limit Values (TLV's) please refer to Section 2.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid

Odor: Mild

Vapor Pressure: Not Determined

Vapor Density: Not Determined

Evaporation Rate (Bu0ac=1): 0.33

Boiling Point: >212 deg F

Solubility in Water: Complete

Specific Gravity: 1.013

Melting Point: <32 deg F

pH: 9.4

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: Avoid extremes in temperature.

Incompatibility (Materials to avoid): Strong oxidizers, acids.

Hazardous Decomposition or Byproducts: None.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

To obtain toxicity data (e.g., LD50, LC50) for the ingredients listed in Section 2, please phone Technical Services at (800) 554-8265.

SECTION 12 - ECOLOGICAL INFORMATION

2433 FS is fully biodegradable. To obtain specific ecotoxicity or environmental fate data, please phone Technical Services at (800) 554-8265.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all applicable local, state, county and federal laws.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: Compound, Cleaning, N.O.I., Liquid

Hazard Class: None

ID No.: None

Packing Group: None

SECTION 15 - REGULATORY INFORMATION

All ingredients in 2433 FS are listed on the TSCA inventory.

SECTION 16 - OTHER INFORMATION

CHEMSTATION HAZARD IDENTIFICATION:

Health: 1

Flammability: 0

Reactivity: 0

The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This information is based upon technical data we believe is reliable. Because actual conditions of use are outside our control, no warranties, expressed or implied, are made and we assume no liability in connection with any use of this information.

Every effort has been made to accurately assess the possible hazards associated with this product. We believe that the actual hazards encountered using our products are less severe than those represented by the concentrated raw materials used to make them.

Product: Pot and Pan Detergent 2433 FS

March 3, 2005

MATERIAL SAFETY DATA SHEET



Product Name: Pot and Pan Detergent 2433 FS Ready-to-Use

Manufacturer's Name: ChemStation Northwest (Minneapolis)

Supplier's Name: MINNCOR Industries

Address: 2613 Southeast 4th St.
Minneapolis, MN, 55414

Supplier's Address: 1450 Energy Park Drive, Suite 110
St. Paul, MN 55108

Telephone Number: (612) 723-0788

Telephone Number: (651) 603-0118

Emergency Telephone Number: CHEMTREC (800) 424-9300

Date Prepared: March 3, 2005

SECTION 2 - COMPOSITION

Chemical Name:

Ingredients are below reporting thresholds.
This product contains no OSHA, NTP, or IARC listed carcinogens.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Viscous liquid which is irritating.

Eyes: Irritating.

Skin: Irritating

Inhalation (respiratory tract): Irritating.

Ingestion (gastrointestinal tract): Irritating.

Chronic (Cancer) Effects: Components of material do not cause cancer.

Teratology (Birth Defect) Information: Components do not cause birth defects.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush immediately with running water for fifteen minutes. See a physician.

Skin: Flush with water. See a physician if necessary.

Inhalation (respiratory tract): Remove to fresh air. See a physician if necessary.

Ingestion (gastrointestinal tract): Dilute stomach contents with water, if conscious. See a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200 degrees F (non-flammable)

Flammable Limits: None

Autoignition Temperature: None

Extinguishing Media: Product is non-combustible. Water, foam, carbon dioxide or dry chemical may be used.

Special Fire Fighting Procedures: Standard fire fighting procedures apply.

Unusual Fire and Explosion Hazards: No unusual fire hazards.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Action to Take for Spills and Leaks: Small spills should be mopped up. Large spills should be diked with inert absorbent.

Material may be pumped back into container or neutralized for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Do not ingest. Keep out of reach of children.

Storage: Store product in ambient temperature. Avoid freezing or high heat.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

Eye Protection: Safety Eyewear

Skin Protection: Latex, natural rubber, neoprene or nitrile gloves are recommended.

Respiratory Protection: Not normally required. If needed, such as in enclosed areas, use NIOSH-approved mask or respirator to keep concentrations of components below their TLV's.

Other Protective Clothing or Equipment:

Ventilation: Normal room air circulation.

For exposure control levels such as Threshold Limit Values (TLV's) please refer to Section 2.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid

Odor: Mild

Vapor Pressure: Not Determined

Vapor Density: Not Determined

Evaporation Rate (Bu0ac=1): 0.33

Boiling Point: >212 deg F

Solubility in Water: Complete

Specific Gravity: 1.013

Melting Point: <32 deg F

pH: 9.4

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: Avoid extremes in temperature.

Incompatibility (Materials to avoid): Strong oxidizers, acids.

Hazardous Decomposition or Byproducts: None.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

To obtain toxicity data (e.g., LD50, LC50) for the ingredients listed in Section 2, please phone Technical Services at (800) 554-8265.

SECTION 12 - ECOLOGICAL INFORMATION

2433 FS RTU is fully biodegradable. To obtain specific ecotoxicity or environmental fate data, please phone Technical Services at (800) 554-8265.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all applicable local, state, county and federal laws.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: Compound, Cleaning, N.O.I., Liquid

Hazard Class: None

ID No.: None

Packing Group: None

SECTION 15 - REGULATORY INFORMATION

All ingredients in 2433 FS RTU are listed on the TSCA inventory.

SECTION 16 - OTHER INFORMATION

CHEMSTATION HAZARD IDENTIFICATION:

Health: 1

Flammability: 0

Reactivity: 0

The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This information is based upon technical data we believe is reliable. Because actual conditions of use are outside our control, no warranties, expressed or implied, are made and we assume no liability in connection with any use of this information.

Every effort has been made to accurately assess the possible hazards associated with this product. We believe that the actual hazards encountered using our products are less severe than those represented by the concentrated raw materials used to make them.

Product: Pot and Pan Detergent 2433 FS RTU

March 3, 2005

MATERIAL SAFETY DATA SHEET



Product Name: Food Service General Purpose Cleaner 8050 FS

Manufacturer's Name: ChemStation Northwest (Minneapolis)

Supplier's Name: MINNCOR Industries

Address: 2613 Southeast 4th St.

Supplier's Address: 1450 Energy Park Drive, Suite 110

Minneapolis, MN, 55414

St. Paul, MN 55108

Telephone Number: (612) 723-0788

Telephone Number: (651) 603-0118

Emergency Telephone Number: CHEMTREC (800) 424-9300

Date Prepared: June 15, 2004

SECTION 2 - COMPOSITION

Chemical Name:	CAS No.:	TLV:	%:
Proprietary surfactant blend	none	none	10-15
water	7732-18-5	none	q.s.

This product contains no OSHA, NTP, or IARC listed carcinogens.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Thin liquid which is irritating.

Eyes: Irritating.

Skin: Irritating

Inhalation (respiratory tract): Irritating.

Ingestion (gastrointestinal tract): Irritating.

Chronic (Cancer) Effects: Components of material do not cause cancer.

Teratology (Birth Defect) Information: Components do not cause birth defects.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush immediately with running water for fifteen minutes. See a physician.

Skin: Flush with water. See a physician if necessary.

Inhalation (respiratory tract): Remove to fresh air. See a physician if necessary.

Ingestion (gastrointestinal tract): Dilute stomach contents with water, if conscious. See a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200 degrees F (non-flammable)

Flammable Limits: None

Autoignition Temperature: None

Extinguishing Media: Product is non-combustible. Water, foam, carbon dioxide or dry chemical may be used.

Special Fire Fighting Procedures: Standard fire fighting procedures apply.

Unusual Fire and Explosion Hazards: No unusual fire hazards.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Action to Take for Spills and Leaks: Small spills should be mopped up. Large spills should be diked with inert absorbent.

Material may be pumped back into container or neutralized for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Do not ingest. Keep out of reach of children.

Storage: Store product in ambient temperature. Avoid freezing or high heat.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

Eye Protection: Safety Eyewear

Skin Protection: Latex, natural rubber, neoprene or nitrile gloves are recommended.

Respiratory Protection: Not normally required. If needed, such as in enclosed areas, use NIOSH-approved mask or respirator to keep concentrations of components below their TLV's.

Other Protective Clothing or Equipment:

Ventilation: Normal room air circulation.

For exposure control levels such as Threshold Limit Values (TLV's) please refer to Section 2.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thin liquid

Odor: Mild

Vapor Pressure: Not Determined

Vapor Density: Not Determined

Evaporation Rate (Bu0ac=1): 0.33

Boiling Point: >212 deg F

Solubility in Water: Complete

Specific Gravity: 1.002

Melting Point: <32 deg F

pH: 9.4

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: Avoid extremes in temperature.

Incompatibility (Materials to avoid): Strong oxidizers, acids.

Hazardous Decomposition or Byproducts: None.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

To obtain toxicity data (e.g., LD50, LC50) for the ingredients listed in Section 2, please phone Technical Services at (800) 554-8265.

SECTION 12 - ECOLOGICAL INFORMATION

8050 FS is fully biodegradable. To obtain specific ecotoxicity or environmental fate data, please phone Technical Services at (800) 554-8265.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all applicable local, state, county and federal laws.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: Compound, Cleaning, N.O.I., Liquid

Hazard Class: None

ID No.: None

Packing Group: None

SECTION 15 - REGULATORY INFORMATION

All ingredients in 8050 FS are listed on the TSCA inventory.

SECTION 16 - OTHER INFORMATION

CHEMSTATION HAZARD IDENTIFICATION:

Health: 1

Flammability: 0

Reactivity: 0

The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This information is based upon technical data we believe is reliable. Because actual conditions of use are outside our control, no warranties, expressed or implied, are made and we assume no liability in connection with any use of this information.

Every effort has been made to accurately assess the possible hazards associated with this product. We believe that the actual hazards encountered using our products are less severe than those represented by the concentrated raw materials used to make them.

Product: Food Service General Purpose Cleaner 8050 FS

June 15, 2004

MATERIAL SAFETY DATA SHEET



Product Name: Food Service General Purpose Cleaner 8050 FS Ready-to-Use

Manufacturer's Name: ChemStation Northwest (Minneapolis)

Supplier's Name: MINNCOR Industries

Address: 2613 Southeast 4th St.
Minneapolis, MN, 55414

Supplier's Address: 1450 Energy Park Drive, Suite 110
St. Paul, MN 55108

Telephone Number: (612) 723-0788

Telephone Number: (651) 603-0118

Emergency Telephone Number: CHEMTREC (800) 424-9300

Date Prepared: June 15, 2004

SECTION 2 - COMPOSITION

Chemical Name:	CAS No.:	TLV:	%:
----------------	----------	------	----

Ingredients are below reporting thresholds.
This product contains no OSHA, NTP, or IARC listed carcinogens.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Thin liquid which is irritating.

Eyes: Irritating.

Skin: Irritating

Inhalation (respiratory tract): Irritating.

Ingestion (gastrointestinal tract): Irritating.

Chronic (Cancer) Effects: Components of material do not cause cancer.

Teratology (Birth Defect) Information: Components do not cause birth defects.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush immediately with running water for fifteen minutes. See a physician.

Skin: Flush with water. See a physician if necessary.

Inhalation (respiratory tract): Remove to fresh air. See a physician if necessary.

Ingestion (gastrointestinal tract): Dilute stomach contents with water, if conscious. See a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200 degrees F (non-flammable)

Flammable Limits: None

Autoignition Temperature: None

Extinguishing Media: Product is non-combustible. Water, foam, carbon dioxide or dry chemical may be used.

Special Fire Fighting Procedures: Standard fire fighting procedures apply.

Unusual Fire and Explosion Hazards: No unusual fire hazards.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Action to Take for Spills and Leaks: Small spills should be mopped up. Large spills should be diked with inert absorbent.

Material may be pumped back into container or neutralized for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Do not ingest. Keep out of reach of children.

Storage: Store product in ambient temperature. Avoid freezing or high heat.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

Eye Protection: Safety Eyewear

Skin Protection: Latex, natural rubber, neoprene or nitrile gloves are recommended.

Respiratory Protection: Not normally required. If needed, such as in enclosed areas, use NIOSH-approved mask or respirator to keep concentrations of components below their TLV's.

Other Protective Clothing or Equipment:

Ventilation: Normal room air circulation.

For exposure control levels such as Threshold Limit Values (TLV's) please refer to Section 2.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thin liquid

Odor: Mild

Vapor Pressure: Not Determined

Vapor Density: Not Determined

Evaporation Rate (Bu0ac=1): 0.33

Boiling Point: >212 deg F

Solubility in Water: Complete

Specific Gravity: 1.002

Melting Point: <32 deg F

pH: 8.4-8.6

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: Avoid extremes in temperature.

Incompatibility (Materials to avoid): Strong oxidizers, acids.

Hazardous Decomposition or Byproducts: None.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

To obtain toxicity data (e.g., LD50, LC50) for the ingredients listed in Section 2, please phone Technical Services at (800) 554-8265.

SECTION 12 - ECOLOGICAL INFORMATION

8050 FS RTU is fully biodegradable. To obtain specific ecotoxicity or environmental fate data, please phone Technical Services at (800) 554-8265.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all applicable local, state, county and federal laws.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: Compound, Cleaning, N.O.I., Liquid

Hazard Class: None

ID No.: None

Packing Group: None

SECTION 15 - REGULATORY INFORMATION

All ingredients in 8050 FS RTU are listed on the TSCA inventory.

SECTION 16 - OTHER INFORMATION

CHEMSTATION HAZARD IDENTIFICATION:

Health: 1

Flammability: 0

Reactivity: 0

The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This information is based upon technical data we believe is reliable. Because actual conditions of use are outside our control, no warranties, expressed or implied, are made and we assume no liability in connection with any use of this information.

Every effort has been made to accurately assess the possible hazards associated with this product. We believe that the actual hazards encountered using our products are less severe than those represented by the concentrated raw materials used to make them.

MATERIAL SAFETY DATA SHEET



Product Name: Food Service Heavy Duty Degreaser 5440 FS

Manufacturer's Name: ChemStation Northwest (Minneapolis)

Supplier's Name: MINNCOR Industries

Address: 2613 Southeast 4th St.

Supplier's Address: 1450 Energy Park Drive, Suite 110

Minneapolis, MN, 55414

St. Paul, MN 55108

Telephone Number: (612) 723-0788

Telephone Number: (651) 603-0118

Emergency Telephone Number: CHEMTREC (800) 424-9300

Date Prepared: June 15, 2004

SECTION 2 - COMPOSITION

Chemical Name:	CAS No.:	TLV:	%:
potassium hydroxide	1310-58-3	2.000 mg/m3	0-5
proprietary surfactant blend	none	none	0-5
water	7732-18-5	none	q.s.

This product contains no OSHA, NTP, or IARC listed carcinogens.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Thin liquid which is corrosive.

Eyes: Corrosive.

Skin: Corrosive

Inhalation (respiratory tract): Corrosive.

Ingestion (gastrointestinal tract): Corrosive.

Chronic (Cancer) Effects: Components of material do not cause cancer.

Teratology (Birth Defect) Information: Components do not cause birth defects.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush immediately with running water for fifteen minutes. See a physician.

Skin: Flush with water. See a physician if necessary.

Inhalation (respiratory tract): Remove to fresh air. See a physician if necessary.

Ingestion (gastrointestinal tract): Dilute stomach contents with water, if conscious. See a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200 degrees F (non-flammable)

Flammable Limits: None

Autoignition Temperature: None

Extinguishing Media: Product is non-combustible. Water, foam, carbon dioxide or dry chemical may be used.

Special Fire Fighting Procedures: Standard fire fighting procedures apply.

Unusual Fire and Explosion Hazards: No unusual fire hazards.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Action to Take for Spills and Leaks: Small spills should be mopped up. Large spills should be diked with inert absorbent.

Material may be pumped back into container or neutralized for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Do not ingest. Keep out of reach of children.

Storage: Store product in ambient temperature. Avoid freezing or high heat.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

Eye Protection: Safety Eyewear

Skin Protection: Latex, natural rubber, neoprene or nitrile gloves are recommended.

Respiratory Protection: Not normally required. If needed, such as in enclosed areas, use NIOSH-approved mask or respirator to keep concentrations of components below their TLV's.

Other Protective Clothing or Equipment:

Ventilation: Normal room air circulation.

For exposure control levels such as Threshold Limit Values (TLV's) please refer to Section 2.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thin liquid

Odor: Mild

Vapor Pressure: Not Determined

Vapor Density: Not Determined

Evaporation Rate (Bu0ac=1): 0.33

Boiling Point: >212 deg F

Solubility in Water: Complete

Specific Gravity: 1.067

Melting Point: <32 deg F

pH: 13.1

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: Avoid extremes in temperature.

Incompatibility (Materials to avoid): Strong oxidizers, acids.

Hazardous Decomposition or Byproducts: None.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

To obtain toxicity data (e.g., LD50, LC50) for the ingredients listed in Section 2, please phone Technical Services at (800) 554-8265.

SECTION 12 - ECOLOGICAL INFORMATION

5440 FS is fully biodegradable. To obtain specific ecotoxicity or environmental fate data, please phone Technical Services at (800) 554-8265..

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all applicable local, state, county and federal laws.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: Compound, Cleaning, Liquid, (Potassium Hydroxide)

Hazard Class: 8

ID No.: NA 1760

Packing Group: III

SECTION 15 - REGULATORY INFORMATION

All ingredients in 5440 FS are listed on the TSCA inventory.

SECTION 16 - OTHER INFORMATION

CHEMSTATION HAZARD IDENTIFICATION:

Health: 2

Flammability: 0

Reactivity: 0

The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This information is based upon technical data we believe is reliable. Because actual conditions of use are outside our control, no warranties, expressed or implied, are made and we assume no liability in connection with any use of this information.

Every effort has been made to accurately assess the possible hazards associated with this product. We believe that the actual hazards encountered using our products are less severe than those represented by the concentrated raw materials used to make them.

MATERIAL SAFETY DATA SHEET



Product Name: Food Service Heavy Duty Degreaser 5440 FS Ready-to-Use

Manufacturer's Name: ChemStation Northwest (Minneapolis)

Supplier's Name: MINNCOR Industries

Address: 2613 Southeast 4th St.

Supplier's Address: 1450 Energy Park Drive, Suite 110

Minneapolis, MN, 55414

St. Paul, MN 55108

Telephone Number: (612) 723-0788

Telephone Number: (651) 603-0118

Emergency Telephone Number: CHEMTREC (800) 424-9300

Date Prepared: June 15, 2004

SECTION 2 - COMPOSITION

Chemical Name:

CAS No.:

TLV:

%:

Ingredients are below reporting thresholds.

This product contains no OSHA, NTP, or IARC listed carcinogens.

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: Thin liquid which is irritating.

Eyes: Irritating.

Skin: Irritating

Inhalation (respiratory tract): Irritating.

Ingestion (gastrointestinal tract): Irritating.

Chronic (Cancer) Effects: Components of material do not cause cancer.

Teratology (Birth Defect) Information: Components do not cause birth defects.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush immediately with running water for fifteen minutes. See a physician.

Skin: Flush with water. See a physician if necessary.

Inhalation (respiratory tract): Remove to fresh air. See a physician if necessary.

Ingestion (gastrointestinal tract): Dilute stomach contents with water, if conscious. See a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200 degrees F (non-flammable)

Flammable Limits: None

Autoignition Temperature: None

Extinguishing Media: Product is non-combustible. Water, foam, carbon dioxide or dry chemical may be used.

Special Fire Fighting Procedures: Standard fire fighting procedures apply.

Unusual Fire and Explosion Hazards: No unusual fire hazards.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Action to Take for Spills and Leaks: Small spills should be mopped up. Large spills should be diked with inert absorbent.

Material may be pumped back into container or neutralized for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Do not ingest. Keep out of reach of children.

Storage: Store product in ambient temperature. Avoid freezing or high heat.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:

Eye Protection: Safety Eyewear

Skin Protection: Latex, natural rubber, neoprene or nitrile gloves are recommended.

Respiratory Protection: Not normally required. If needed, such as in enclosed areas, use NIOSH-approved mask or respirator to keep concentrations of components below their TLV's.

Other Protective Clothing or Equipment:

Ventilation: Normal room air circulation.

For exposure control levels such as Threshold Limit Values (TLV's) please refer to Section 2.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thin liquid

Odor: Mild

Vapor Pressure: Not Determined

Vapor Density: Not Determined

Evaporation Rate (Bu0ac=1): 0.33

Boiling Point: >212 deg F

Solubility in Water: Complete

Specific Gravity: 1.001-1.006

Melting Point: <32 deg F

pH: 11.4-12.2

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: Avoid extremes in temperature.

Incompatibility (Materials to avoid): Strong oxidizers, acids.

Hazardous Decomposition or Byproducts: None.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

To obtain toxicity data (e.g., LD50, LC50) for the ingredients listed in Section 2, please phone Technical Services at (800) 554-8265.

SECTION 12 - ECOLOGICAL INFORMATION

5440 FS RTU is fully biodegradable. To obtain specific ecotoxicity or environmental fate data, please phone Technical Services at (800) 554-8265..

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all applicable local, state, county and federal laws.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: Compound, Cleaning, N.O.I., Liquid,

Hazard Class: None

ID No.: None

Packing Group: None

SECTION 15 - REGULATORY INFORMATION

All ingredients in 5440 FS RTU are listed on the TSCA inventory.

SECTION 16 - OTHER INFORMATION

CHEMSTATION HAZARD IDENTIFICATION:

Health: 1

Flammability: 0

Reactivity: 0

The data in this material safety data sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This information is based upon technical data we believe is reliable. Because actual conditions of use are outside our control, no warranties, expressed or implied, are made and we assume no liability in connection with any use of this information.

Every effort has been made to accurately assess the possible hazards associated with this product. We believe that the actual hazards encountered using our products are less severe than those represented by the concentrated raw materials used to make them.

Product: Food Service Heavy Duty Degreaser 5440 FS Ready-to-Use

June 15, 2004

MATERIAL SAFETY DATA SHEET



SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **FOOD SERVICE SANITIZER**

PRODUCT NUMBER: N.A.

PRODUCT I.D. NUMBER (PIN): N.A.

PRODUCT USE: Concentrated quaternary sanitizer

WHMIS CLASS: D2B

Supplier:

MINNCOR Industries
1450 Energy Park Drive, Suite 110
St. Paul, MN 55108

EMERGENCY PHONE: 800-843-6174

DOT HAZARD CLASS: Non-regulated

DOT SHIPPING NAME: N.A.

H.M.I.S.

2	HEALTH	HAZARD RATING 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
0	FIRE	
0	REACTIVITY	
B	MAXIMUM PERSONAL PROTECTION	

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. - Not Applicable N.E. = Not Established N.D. = Not Determined

SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY:	CAS No.:	%:	PEL	TLV:	LD50	LC50
Water	7732-18-5	60-100	N.E.	N.E.	N.D.	N.D.
Quaternary ammonium chloride	68424-95-3	10-30	N.E.	N.E.	250mg/kg	86mg/l 1hr

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372

SECTION 3 - PHYSICAL DATA

Color: Colorless.	Boiling Point: 100°C >212° F	Vapor Pressure: <30 mm of Hg	pH: 6.8 - 7.8 (Use Dil. 7.2-7.7)
Odor: Bland	Freezing Point: 0°C (32°F)	Vapor Density (Air=1): <1	1% pH: N.A.
Physical State: Liquid	Water/Oil Distribution: N.E.	Evaporation Rate (Water=1): N.E	Specific Gravity: 1.00gm/ml
Solubility in Water: Complete	Odor Threshold: N.E.	VOC Content: 0.0%	Weight per Gallon: 8.31 lbs./gal.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.A.	Autoignition Temperature: N.A.	Extinguishing Media: Use dry chemical or CO2.	
Flammable Limits: N.A.	LEL: NA	UEL: N.A.	Special Fire Fighting Procedures: None.
Hazardous combustion Products: N.A.	Unusual Fire and Explosion Hazards: None.		

SECTION 5 - REACTIVITY DATA

Chemical Stability: Stable.	Hazardous decomposition of By-Products: None known.
Incompatibility (Materials to Avoid): None known.	Hazardous Polymerization: Will not occur.

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion. Inhalation. Eye contact.

Sensitization: No

EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):

Eyes: May cause severe irritation, redness and possible corneal injury.

Skin: May cause irritation

Ingestion: May cause gastrointestinal tract irritation and possible mucosal injury.

Inhalation: Prolonged exposure in poorly ventilated area may irritate nasal mucous membranes.

Toxicologically Synergistic Products: None known.

Medical Conditions Aggravated by Exposure: None known.

Carcinogenic Effects: NO carcinogenic effect.

Mutagenic Effects: NO mutagenic effect

Teratogenic: NO teratogenic effect.

Reproductive Toxicity: NO reproductive toxicity effect.

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Not normally required with adequate ventilation.

Protective Gloves: Rubber to protect sensitive skin.

Protective Clothing or Equipment: As needed to prevent wetting of clothing

Storage Requirements: Store in cool, dry area. Avoid contamination of food. Follow good housekeeping practices.

Steps to be Taken if Material is Spilled or Released: Collect and reuse if possible. Absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.

Waste Disposal: Dispose of as permitted by all federal, provincial, state and local regulatory authorities. Triple rinse container. Do not reuse empty container.

SECTION 8 - EMERGENCY FIRST AID PROCEDURES

FIRST AID - NOTES TO PHYSICIAN:

Eyes: Flush with a large amount of water for 15 minutes holding eyelids open. Seek medical attention.

Skin: Wash with mild soap and water.

Ingestion: Give gelatin solution, egg whites or 2-3 large glasses of water. Seek medical attention

Inhalation: Remove to fresh air and rest. In all cases if symptoms persist, seek medical attention.

Note to Physician: Probable mucosal damage may contraindicate the use of the gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SECTION 9 - PREPARATION INFORMATION

Prepared By: Regulatory Affairs Department

Phone: 651-603-0118

Date of Preparation: 1/14/2005
