



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HEAVY DUTY DEGREASER
PRODUCT NUMBER: 430
PRODUCT FAMILY: ALKALINE DETERGENT
MANUFACTURER: KO MANUFACTURING, INC
 2720 E. DIVISION STREET
 SPRINGFIELD, MO 65803
 417-866-8000
INFORMATION USE: ALKALINE CLEANER

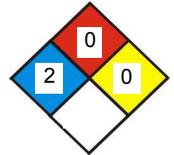
DATE PREPARED: 1/2/2020
SUPERCEDED DATE: 8/28/2018

EMERGENCY CONTACT:
 CHEMTREC 800-424-9300

2. HAZARD IDENTIFICATION

DOT HAZARD CLASSIFICATION: NOT REGULATED BY D.O.T.
SIGNAL WORD: DANGER!
ROUTE OF EXPOSURE: EYE CONTACT, SKIN CONTACT, INGESTION
GHS HAZARD CLASSIFICATION: SERIOUS EYE DAMAGE/ EYE IRRITATION 1
 SKIN IRRITANT 2

NFPA



GHS LABEL ELEMENTS: H315 - Causes skin irritation.
 H318 - Causes serious eye damage.
 P264 - Wash exposed skin thoroughly after handling.
 P280 - Wear protective gloves/eye protection/face protection.
 P313 - Get medical advice/attention.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call POISON CENTER or doctor/physician.
 P332+ P313 - If skin irritation occurs: Get medical advice/attention.
 P362 - Take off contaminated clothing and wash before reuse.

PICTOGRAMS



3.COMPOSITION IDENTIFICATION

INGREDIENTS:	C.A.S. NUMBER:	PERCENT:
SODIUM HYDROXIDE	1310-73-2	<2.0%
SODIUM METASILICATE	6834-92-0	<2.0%
SODIUM PHOSPHATE	7758-29-4	<5.0%
2-BUTOXYETHANOL	111-76-2	<2.0%
ALCOHOL ETHOXYLATES	68439-46-3	<5.0%
POLY ALKYL ETHERS, PHOSPHATE	68130-47-2	<2.0%
WATER	7732-18-5	Balance

4. FIRST AID MEASURES

EYE CONTACT: RINSE WITH FRESH WATER FOR 15 MINUTES, LIFTING EYELIDS OCCASIONALLY. CALL A PHYSICIAN IF IRRITATION PERSISTS.

PRODUCT NAME: HEAVY DUTY DEGREASER

DATE PREPARED: 1/2/2020

PRODUCT NUMBER: 430

SUPERCEDED DATE: 8/28/2018

4. FIRST AID MEASURES - CONTINUED

SKIN CONTACT: RINSE WITH PLENTY OF FRESH WATER AND REMOVE CONTAMINATED CLOTHING IMMEDIATELY. CALL A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: RINSE MOUTH WITH FRESH WATER. DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER. DO NOT GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

INHALATION: IF OVERCOME BY EXPOSURE, REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. CALL A PHYSICIAN IMMEDIATELY.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: NON FLAMMABLE.

FLASH POINT: DOES NOT FLASH.

SUITABLE EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM OR CARBON DIOXIDE, WATER SPRAY.

UNSUITABLE EXTINGUISHING MEDIA: NOT ESTABLISHED.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE KNOWN.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE DEMAND MSHA/NIOSH APPROVED) AND FULL PROTECTIVE GEAR.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: AVOID CONTACT WITH EYES AND SKIN. SPILL AREA MAY BE SLIPPERY. WEAR PROPER PROTECTIVE EQUIPMENT WHEN DEALING WITH RELEASE.

ENVIRONMENTAL PRECAUTIONS: CONTAIN SPILL TO AVOID RELEASE TO THE ENVIRONMENT. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

METHODS FOR CONTAINMENT AND CLEAN-UP: COLLECT FOR DISPOSAL USING AN INERT ABSORBENT MATERIAL AND TRANSFER TO A CONTAINER FOR REUSE OR DISPOSAL.

7. HANDLING AND STORAGE

HANDLING: HANDLE WITH CARE AND AVOID CONTACT WITH EYES AND SKIN. ALWAYS WEAR PROPER CHEMICAL RESISTANT PROTECTIVE EQUIPMENT 29CFR1910.132-138. WASH THOROUGHLY AFTER HANDLING.

STORAGE: STORE IN A COOL, DRY PLACE. KEEP OUT OF REACH OF CHILDREN. KEEP LID TIGHTLY CLOSED WHEN NOT IN USE.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NONE REQUIRED UNDER NORMAL USE.

EYE / FACE PROTECTION: CHEMICAL SAFETY GLASSES.

SKIN PROTECTION: CHEMICAL RESISTANT GLOVES AND APRON

THRESHOLD LIMIT VALUE (TLV): SODIUM HYDROXIDE, 2 MG/M³; 2-BUTOXYETHANOL, 20 PPM

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID.

APPEARANCE: CLEAR RED LIQUID.

ODOR: LIGHT SOLVENT SCENT.

BOILING POINT: NOT ESTABLISHED.

FREEZING POINT: NOT ESTABLISHED.

SPECIFIC GRAVITY: 1.04

pH (1%): 11.1-11.5

EVAPORATION RATE: LESS THAN 1.

FLASH POINT: DOES NOT FLASH.

LOWER FLAMMABILITY/EXPLOSIVE LIMIT: NOT ESTABLISHED.

UPPER FLAMMABLE/EXPLOSIVE LIMIT: NOT ESTABLISHED.

AUTO-IGNITION TEMPERATURE: NOT ESTABLISHED.

VISCOSITY: NOT ESTABLISHED.

REALITIVE DENSITY: 8.7 LBS./GL.

SOLUBILITY: SOLUBLE.

VAPOR PRESSURE: NOT ESTABLISHED.

VAPOR DENSITY: NOT ESTABLISHED.

DECOMPOSITION TEMPERATURE: NOT ESTABLISHED.

PARTICAL COEFFICIENT: NOT ESTABLISHED.
N-OCTANOL/WATER

PRODUCT NAME: HEAVY DUTY DEGREASER

DATE PREPARED: 1/2/2020

PRODUCT NUMBER: 430

SUPERCEDED DATE: 8/28/2018

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE.

CONDITIONS TO AVOID: NONE KNOWN.

INCOMPATIBLE MATERIALS: DO NOT MIX WITH OTHER CHEMICALS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND DIOXIDE FROM THERMAL DECOMPOSITION.

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION/CORROSION: SERIOUS EYE DAMAGE/ EYE IRRITATION

EFFECTS OF SHORT-TERM EXPOSURE: SKIN IRRITANT; CAUSES SEVERE IRRITATION OR BURN TO EYES

INGESTION: SEVERE IRRITATION OR BURNS TO MOUTH, THROAT, STOMACH.

LD-50: NOT ESTABLISHED.

CARCINOGENICITY: NOT CONSIDERED A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA

12. ECOLOGICAL IDENTIFICATION

ECOTOXICITY: NOT ESTABLISHED.

PERSISTENCE AND DEGRADABILITY: BIODEGRADABLE.

BIOACCUMULATION/ACCUMULATION: NOT ESTABLISHED.

13. DISPOSAL CONDITIONS

MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

14. TRANSPORTATION INFORMATION

GROUND SHIPPING INFORMATION:

CLEANING, SCOURING, OR WASHING COMPOUNDS, N.O.S., LIQUID.

WATER SHIPPING INFORMATION:

CLEANING, SCOURING, OR WASHING COMPOUNDS, N.O.S., LIQUID.

AIR SHIPPING INFORMATION:

CLEANING, SCOURING, OR WASHING COMPOUNDS, N.O.S., LIQUID.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT) ALL COMPONENTS LISTED ON TSCA INVENTORY.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

313 REPORTABLE INGREDIENTS

CAS NUMBER:

PERCENT:

GLYCOL ETHERS

CATEGORY N230

1.5%

STATE REGULATIONS:  CALIFORNIA PROPOSITION 65
Possible Trace Ethylene Oxide cas# 75-21-8
Possible Trace 1,4-Dioxane cas# 123-91-1

INTERNATIONAL REGULATIONS: CLASS E CORROSIVE UNDER CANADIAN WHMIS

SECTION 15 NOTES: NONE.

16. OTHER INFORMATION

PHONE NUMBER: 417-866-8000

DATE OF PREPARATION: 1/2/2020

This document is generated for the purpose of distributing health, safety and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification. The information provided in this Safety Data Sheet has been compiled from experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Safety Data Sheets at any time as new technical information becomes available. The information contained herein is furnished without warranty of any kind.



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HEAVY DUTY DEGREASER (LIQUID)
PRODUCT NUMBER: 430-L
PRODUCT FAMILY: DETERGENT BLEND
MANUFACTURER: KO MANUFACTURING, INC
 2720 E. DIVISION STREET
 SPRINGFIELD, MO 65803
 417-866-8000

DATE PREPARED: 1/2/2020
SUPERCEDED DATE: 8/28/2018

EMERGENCY CONTACT:
 CHEMTREC 800-424-9300

INFORMATION USE: HEAVY DUTY CLEANER - DRUM KIT LIQUID

2. HAZARD IDENTIFICATION

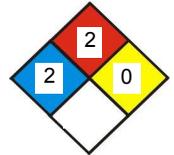
DOT HAZARD CLASSIFICATION: NOT REGULATED BY D.O.T.

SIGNAL WORD: DANGER!

ROUTE OF EXPOSURE: EYE CONTACT, SKIN CONTACT, INGESTION

GHS HAZARD CLASSIFICATION: ACUTE TOXICITY, ORAL 4
 SERIOUS EYE DAMAGE/ EYE IRRITATION 1
 SKIN IRRITANT 2
 FLAMMABLE LIQUIDS 4

NFPA



GHS LABEL ELEMENTS: H227- Combustible liquid

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

P210 - Keep away from flames/hot surfaces. - No smoking.

P235 - Keep cool.

P264 - Wash exposed skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves/eye protection/face protection.

P313 - Get medical advice/attention.

P301+P330+P312 - IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call POISON CENTER or doctor/physician.

P332+ P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

P370+P378 - In case of fire: Use dry chemical, foam or carbon dioxide for extinction.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of content/container in accordance with local/national regulations.

PICTOGRAMS



3.COMPOSITION IDENTIFICATION

INGREDIENTS:

2-BUTOXYETHANOL
 ALCOHOL ETHOXYLATES
 POLY ALKYL ETHERS, PHOSPHATE
 WATER

C.A.S. NUMBER:

111-76-2
 68439-46-3
 68130-47-2
 7732-18-5

PERCENT:

<35.0%
 <50.0%
 <30.0%
 Balance

4. FIRST AID MEASURES

EYE CONTACT: RINSE WITH FRESH WATER FOR 15 MINUTES, LIFTING EYELIDS OCCASIONALLY. CALL A PHYSICIAN IF IRRITATION PERSISTS.

PRODUCT NAME: HEAVY DUTY DEGREASER (LIQUID)

DATE PREPARED: 1/2/2020

PRODUCT NUMBER: 430-L

SUPERCEDED DATE: 8/28/2018

4. FIRST AID MEASURES - CONTINUED

SKIN CONTACT: RINSE WITH PLENTY OF FRESH WATER AND REMOVE CONTAMINATED CLOTHING IMMEDIATELY. CALL A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: RINSE MOUTH WITH FRESH WATER. CALL A PHYSICIAN IMMEDIATELY. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER. DO NOT GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

INHALATION: IF OVERCOME BY EXPOSURE, REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. CALL A PHYSICIAN IMMEDIATELY.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: DOES NOT SUSTAIN COMBUSTION - ASTM-D4206

FLASH POINT: LIQUID - 180 F

SUITABLE EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM OR CARBON DIOXIDE.

UNSUITABLE EXTINGUISHING MEDIA: NOT ESTABLISHED.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE KNOWN

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE DEMAND MSHA/NIOSH APPROVED) AND FULL PROTECTIVE GEAR.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: AVOID CONTACT WITH EYES AND SKIN. SPILL AREA MAY BE SLIPPERY. WEAR PROPER PROTECTIVE EQUIPMENT WHEN DEALING WITH RELEASE.

ENVIRONMENTAL PRECAUTIONS: CONTAIN SPILL TO AVOID RELEASE TO THE ENVIRONMENT. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

METHODS FOR CONTAINMENT AND CLEAN-UP: COLLECT LIQUID WITH AN INERT ABSORBENT AND TRANSFER TO CONTAINER FOR REUSE OR DISPOSAL. DIKE AND CONTAIN SPILL.

7. HANDLING AND STORAGE

HANDLING: AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. ALWAYS WEAR PROPER PROTECTIVE EQUIPMENT WHEN HANDLING.

STORAGE: AVOID RELEASE TO THE ENVIRONMENT. STORE IN A COOL, DRY PLACE. KEEP OUT OF REACH OF CHILDREN. USE CARE WHEN HANDLING AND STORING.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NONE REQUIRED UNDER NORMAL USE.

EYE / FACE PROTECTION: CHEMICAL SAFETY GOGGLES AND FULL FACE SHIELD.

SKIN PROTECTION: CHEMICAL RESISTANT GLOVES AND IMPERVIOUS APRON AND BOOTS.

THRESHOLD LIMIT VALUE (TLV): 2-BUTOXYETHANOL, 20 PPM

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

APPEARANCE: DARK RED LIQUID

ODOR: LIGHT SOLVENT ODOR

BOILING POINT: NOT ESTABLISHED.

FREEZING POINT: < 32 F

SPECIFIC GRAVITY: 1.02

pH (1%): 2.5-3.5

EVAPORATION RATE: LESS THAN 1

FLASH POINT: 180 F

LOWER FLAMMABILITY/EXPLOSIVE LIMIT: NOT ESTABLISHED.

UPPER FLAMMABLE/EXPLOSIVE LIMIT: NOT ESTABLISHED.

AUTO-IGNITION TEMPERATURE: NOT ESTABLISHED.

VISCOSITY: NOT ESTABLISHED.

REALITIVE DENSITY: 8.5 LBS./GL.

SOLUBILITY: SOLUBLE

VAPOR PRESSURE: NOT ESTABLISHED.

VAPOR DENSITY: NOT ESTABLISHED.

DECOMPOSITION TEMPERATURE: NOT ESTABLISHED.

PARTICAL COEFFICIENT: NOT ESTABLISHED.
N-OCTANOL/WATER

PRODUCT NAME: HEAVY DUTY DEGREASER (LIQUID)

DATE PREPARED: 1/2/2020

PRODUCT NUMBER: 430-L

SUPERCEDED DATE: 8/28/2018

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE

CONDITIONS TO AVOID: NO UNUSUAL CONDITIONS

INCOMPATIBLE MATERIALS: DO NOT MIX WITH OTHER CHEMICALS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND DIOXIDE

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION/CORROSION: SERIOUS EYE DAMAGE/ EYE IRRITATION

EFFECTS OF SHORT-TERM EXPOSURE: DIRECT EYE CONTACT MAY CAUSE SEVERE IRRITATION OR BURNS.

INGESTION: HARMFUL IF SWALLOWED. IRRITATION OR BURNS TO MOUTH, THROAT, STOMACH.

LD-50: NOT ESTABLISHED.

CARCINOGENICITY: NOT CONSIDERED A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA

12. ECOLOGICAL IDENTIFICATION

ECOTOXICITY: NOT ESTABLISHED.

PERSISTENCE AND DEGRADABILITY: BIODEGRADABLE

BIOACCUMULATION/ACCUMULATION: NOT ESTABLISHED.

13. DISPOSAL CONDITIONS

MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

14. TRANSPORTATION INFORMATION

GROUND SHIPPING INFORMATION:

CLEANING, SCOURING, OR WASHING COMPOUNDS, N.O.S., LIQUID. [DOT49CFR173.120]

WATER SHIPPING INFORMATION:

CLEANING, SCOURING, OR WASHING COMPOUNDS, N.O.S., LIQUID. [IMDG 2.3.1.3.1]

AIR SHIPPING INFORMATION:

DO NOT SHIP BY AIR

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT) ALL INGREDIENTS ARE LISTED ON THE TSCS INVENTORY.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

313 REPORTABLE INGREDIENTS

GLYCOL ETHERS

CAS NUMBER:

CATEGORY N230

PERCENT:

33.6% - IN LIQUID

STATE REGULATIONS:  CALIFORNIA PROPOSITION 65
Possible Trace Ethylene Oxide cas# 75-21-8
Possible Trace 1,4-Dioxane cas# 123-91-1

INTERNATIONAL REGULATIONS: CLASS E CORROSIVE UNDER CANADIAN WHMIS; CLASS D-2A MATERIAL CAUSES TOXIC EFFECTS UNDER CANADIAN WHMIS

SECTION 15 NOTES: NONE

16. OTHER INFORMATION

PHONE NUMBER: 417-866-8000

DATE OF PREPARATION: 1/2/2020

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SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HEAVY DUTY DEGREASER (POWDER)
PRODUCT NUMBER: 430-P
PRODUCT FAMILY: ALKALINE
MANUFACTURER: KO MANUFACTURING, INC
 2720 E. DIVISION STREET
 SPRINGFIELD, MO 65803
 417-866-8000

DATE PREPARED: 1/2/2020
SUPERCEDED DATE: 8/28/2018

EMERGENCY CONTACT:
 CHEMTREC 800-424-9300

INFORMATION USE: HEAVY DUTY CLEANER - DRUM KIT POWDER

2. HAZARD IDENTIFICATION

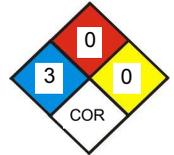
DOT HAZARD CLASSIFICATION: CORROSIVE SOLID

SIGNAL WORD: DANGER!

ROUTE OF EXPOSURE: EYE CONTACT, SKIN CONTACT, INGESTION AND INHALATION

GHS HAZARD CLASSIFICATION: SKIN CORROSIVE 1C
 EYE DAMAGE/IRRITATION 1

NFPA



GHS LABEL H314 - Causes severe skin burns and eye damage.

ELEMENTS: P260 - Do not breathe dust/fume/gas/vapours/spray.

P264 - Wash exposed skin thoroughly after handling.

P280 - Wear protective gloves/clothing/eye protection/face protection.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P351 - Rinse cautiously with water for several minutes.

P363 - Wash contaminated clothing before reuse.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call POISON CENTER or doctor/physician.

P405 - Store locked up.

P501 - Dispose of content/container in accordance with local/national regulations.

PICTOGRAMS



3.COMPOSITION IDENTIFICATION

INGREDIENTS:

SODIUM HYDROXIDE
 SODIUM METASILICATE
 SODIUM PHOSPHATE

C.A.S. NUMBER:

1310-73-2
 6834-92-0
 7758-29-4

PERCENT:

<40.0%
 <40.0%
 <70.0%

4. FIRST AID MEASURES

EYE CONTACT: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. CALL A PHYSICIAN IMMEDIATELY.

PRODUCT NAME: HEAVY DUTY DEGREASER (POWDER)

DATE PREPARED: 1/2/2020

PRODUCT NUMBER: 430-P

SUPERCEDED DATE: 8/28/2018

4. FIRST AID MEASURES - CONTINUED

SKIN CONTACT: WASH EXPOSED SKIN THOROUGHLY AFTER HANDLING. REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. GET MEDICAL ADVICE/ATTENTION.

INGESTION: RINSE MOUTH. DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER TO DRINK. CALL A POISON CENTER OR PHYSICIAN IMMEDIATELY.

INHALATION: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. CALL A POISON CENTER OR PHYSICIAN IMMEDIATELY.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: NON FLAMMABLE

FLASH POINT: DOES NOT FLASH.

SUITABLE EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM OR CARBON DIOXIDE, WATER SPRAY.

UNSUITABLE EXTINGUISHING MEDIA: NOT ESTABLISHED.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE KNOWN

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE DEMAND MSHA/NIOSH APPROVED) AND FULL PROTECTIVE GEAR.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: AVOID CONTACT WITH EYES AND SKIN. WEAR PROPER PROTECTIVE EQUIPMENT WHEN DEALING WITH RELEASE.

ENVIRONMENTAL PRECAUTIONS: CONTAIN SPILL TO AVOID RELEASE TO THE ENVIRONMENT. KEEP CONTAINER TIGHTLY CLOSED.

METHODS FOR CONTAINMENT AND CLEAN-UP: CAREFULLY SWEEP UP MATERIAL AND TRANSFER TO A CONTAINER FOR REUSE OR DISPOSAL. THOROUGHLY RINSE AREA WITH WATER.

7. HANDLING AND STORAGE

HANDLING: HANDLE WITH CARE AND AVOID CONTACT WITH EYES AND SKIN. ALWAYS WEAR PROPER CHEMICAL RESISTANT PROTECTIVE EQUIPMENT 29CFR1910.132-138. WASH THOROUGHLY AFTER HANDLING.

STORAGE: AVOID RELEASE TO THE ENVIRONMENT. STORE IN LOCKED STORAGE USING CORROSIVE RESISTANT CONTAINERS. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: IF DUST OR MIST LEVELS ARE HIGH SPECIAL VENTILATION MAY BE REQUIRED.

EYE / FACE PROTECTION: CHEMICAL SAFETY GOGGLES AND FULL FACE SHIELD.

SKIN PROTECTION: CHEMICAL RESISTANT GLOVES AND IMPERVIOUS APRON AND BOOTS.

THRESHOLD LIMIT VALUE (TLV): SODIUM HYDROXIDE, 2 MG/M³

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: SOLID

APPEARANCE: WHITE POWDER

ODOR: NONE

BOILING POINT: NOT ESTABLISHED.

FREEZING POINT: NOT ESTABLISHED.

SPECIFIC GRAVITY: NOT ESTABLISHED.

pH (1%): 12.0-13.0

EVAPORATION RATE: NOT ESTABLISHED.

FLASH POINT: DOES NOT FLASH.

LOWER FLAMMABILITY/EXPLOSIVE LIMIT: NOT ESTABLISHED.

UPPER FLAMMABLE/EXPLOSIVE LIMIT: NOT ESTABLISHED.

AUTO-IGNITION TEMPERATURE: NOT ESTABLISHED.

VISCOSITY: NOT ESTABLISHED.

REALITIVE DENSITY: NOT ESTABLISHED.

SOLUBILITY: SOLUBLE

VAPOR PRESSURE: NOT ESTABLISHED.

VAPOR DENSITY: NOT ESTABLISHED.

DECOMPOSITION NOT ESTABLISHED.

TEMPERATURE:

PARTICAL COEFFICIENT: NOT ESTABLISHED.
N-OCTANOL/WATER

PRODUCT NAME: HEAVY DUTY DEGREASER (POWDER)

DATE PREPARED: 1/2/2020

PRODUCT NUMBER: 430-P

SUPERCEDED DATE: 8/28/2018

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE

CONDITIONS TO AVOID: NO UNUSUAL CONDITIONS

INCOMPATIBLE MATERIALS: SOFT METALS AND ACIDIC COMPOUNDS

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND DIOXIDE

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION/CORROSION: CAN CAUSE SEVERE BURNS TO EYES AND SKIN

EFFECTS OF SHORT-TERM EXPOSURE: IRRITATION OR BURNS TO EYES, SKIN AND MOUTH.

INGESTION: CAN CAUSE SEVERE BURNS TO MOUTH, THROAT AND STOMACH.

LD-50: NOT ESTABLISHED.

CARCINOGENICITY: NOT CONSIDERED A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA

12. ECOLOGICAL IDENTIFICATION

ECOTOXICITY: NOT ESTABLISHED.

PERSISTENCE AND DEGRADABILITY: BIODEGRADABLE

BIOACCUMULATION/ACCUMULATION: NOT ESTABLISHED.

13. DISPOSAL CONDITIONS

THIS MATERIAL WHEN DISCARDED IS A HAZARDOUS WASTE DEFINED BY 40CFR261. MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

14. TRANSPORTATION INFORMATION

GROUND SHIPPING INFORMATION:

UN1759, CORROSIVE SOLID, N.O.S., (SODIUM HYDROXIDE, SODIUM METASILICATE), 8, PGIII. [FOR 430 KIT]

WATER SHIPPING INFORMATION:

UN1759, CORROSIVE SOLID, N.O.S., (SODIUM HYDROXIDE, SODIUM METASILICATE), 8, PGIII. [FOR 430 KIT]

AIR SHIPPING INFORMATION:

UN1759, CORROSIVE SOLID, N.O.S., (SODIUM HYDROXIDE, SODIUM METASILICATE), 8, PGIII. [FOR 430 KIT]

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT) ALL INGREDIENTS ARE LISTED ON THE TSCS INVENTORY.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

313 REPORTABLE INGREDIENTS

CAS NUMBER:

PERCENT:

NONE

STATE REGULATIONS:

INTERNATIONAL REGULATIONS: CLASS E CORROSIVE UNDER CANADIAN WHMIS

SECTION 15 NOTES: NONE

16. OTHER INFORMATION

PHONE NUMBER: 417-866-8000

DATE OF PREPARATION: 1/2/2020

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