



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MICRO-DEGREASER

PRODUCT CODES: 1100

MANUFACTURER: KRETETEK INDUSTRIES

STREET ADDRESS: 66 RIVER ROAD

CITY, STATE, ZIP: HUDSON, NH 03051

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DATE REVISED: 7/1/18

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification of the substance or mixture

Skin Corrosion/Irritation: Category 2

Serious Eye Damage/Eye Irritation: Category 2

GHS Label Elements



Symbols:

Signal Word: Warning

Hazard-determining components of labelling: Disodium Metasilicate Pentahydrate tetrasodium ethylenediaminetetraacetate

Hazard Statements:

H315: Causes skin irritation

H319: Causes serious eye irritation

Precautionary Statements:

P280: Wear protective gloves/eye protection

P264: Wash thoroughly after handling

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

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

P337+P313: If eye irritation persists: Get medical advice/attention

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

P362+P364: Take off contaminated clothing and wash it before reuse.

Other information:

There are no other hazards not otherwise classified that have been identified. 0 percent of the mixture consists of components of unknown toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of substances listed below with nonhazardous additions

Dangerous components:

CAS: 68131-39-5: alcohols, C12-15, ethoxylated

CAS: 10213-79-3: Disodium Metasilicate Pentahydrate

CAS: 64-02-8: tetrasodium ethylenediaminetetraacetate

For listed ingredients, the identity and exact percentages are being withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

General Information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately rinse with water. If skin irritation continues, consult a doctor.

After eye contact: Protect unharmed eye. Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed: Irritating to eyes and skin. Cramp, Gastric or intestinal disorders when ingested. Nausea in case of ingestion.

Hazards: No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: None.

Special hazards arising from the substance or mixture: Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation. For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Environmental precautions: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste. Send for recovery or disposal in suitable receptacles. Clean the affected area carefully; suitable cleaners are: warm water.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Prevent formation of aerosols. Use only in well ventilated areas. Avoid splashes or spray in enclosed areas. Avoid splashes or spray in enclosed areas.

Information about fire – and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: Store only in the original receptacle. Unsuitable material for receptacle: aluminum.

Information about storage in one common storage facility: Store away from foodstuffs. Do not store together with oxidizing and acidic materials. Store away from metals.

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles. Keep container tightly sealed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls:

Personal protective equipment: General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Do not inhale gases/fumes/aerosols. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: Not required under normal conditions of use. For large spills, respiratory protection may be advisable. Use suitable respiratory protective device when aerosol or mist is formed.

Protection of hands: protective gloves. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection: safety glasses
Body protection: Alkaline resistant protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Form: liquid
Color: green
Odor: odorless
Odor threshold: not determined
pH: 12.5 at 20°C (68°F)
Freeze/melt point: Not determined
Boiling point: $\geq 234^{\circ}\text{F}$
Flash point: N/A
Flammability (solid, gas): N/A
Auto/self-ignition temperature: Not determined
Decomposition temperature: Not determined
Self-igniting: Product is not self-igniting.
Danger of explosion: Product does not present an explosion hazard.
Explosion limits (upper/lower): Not determined.
Vapor pressure: Not determined.
Density: Not determined.
Evaporation rate: Not determine.
Solubility in water: Fully miscible.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:
Chemical stability: Thermal decomposition/conditions to be avoided: No decomposition if used and stored according to specifications.
Possibility of hazardous reactions: Toxic fumes may be released if heated above the decomposition point. Reacts with strong acids and oxidizing agents. Reacts with certain metals.
Conditions to avoid: Store away from oxidizing agents. Keep away from heat and direct sunlight.
Incompatible materials: No further information.
Hazardous decomposition products: Carbon monoxide and carbon dioxide, nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity: LD/LC50 values relevant for classification: None
Primary irritant effect:
On the skin: irritant to skin and mucous membranes.
On the eye: Irritating effect.
Sensitisation: No sensitizing effects known.
Subacute to chronic toxicity: No further relevant information available.
Acute effects (acute toxicity, irritation and corrosivity): Causes skin and eye irritation. Irritating to eyes.
Repeated dose toxicity: No further relevant information available,

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:
Aquatic toxicity: no data available
Persistence and degradability: no further relevant information available.

Bio-accumulative potential: no further relevant information available.

Mobility in soil: no further relevant information available.

Ecotoxicological effects:

Remark: After neutralization a reduction of the harming action may be recognized.

Additional ecological information:

General notes: water hazard class 1 (slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. If the dilution or the use-level pH-value is considerably reduced, the aqueous waste, emptied into drains, is only low water-dangerous.

Results of PBT and vPvB assessment: N/A

SECTION 13: WASTE DISPOSAL

Waste treatment methods

Recommendation: Small amounts may be diluted with plenty of water and washed away. Dispose of larger amounts in accordance with Local Authority requirements. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, states and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleaning agents: Water only.

SECTION 14: TRANSPORTATION

DOT: Not regulated for transport

IMDG : Not regulated for transport

IATA: Not regulated for transport

Note: The proper shipping name and/or hazard class for this product may vary according to packaging, properties and mode of transportation. Customer is urged to consult 49 CFR 100-177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture USA:

SARA:

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313: (specific toxic chemical listings): None of the ingredients are listed.

TSCA: (Toxic Substances Control Act): All ingredients are listed

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females/males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Carcinogenic Categories:

EPA: None of the ingredients are listed.

IARC: None of the ingredients are listed.

TLV: None of the ingredients are listed.

NIOSH-Ca: None of the ingredients are listed.

Canada:

DSL: All ingredients are listed.

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.