

# SAFETY DATA SHEET

IMPORTANT: Read this SDS before handling & disposing of this product.  
Pass this information on to employees, customers, & users of this product.

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY:	SMASH
PRODUCT USES:	Heavy Duty Degreaser Concentrate, Cleaner
COMPANY IDENTITY:	MT Advantage, LLC
COMPANY ADDRESS:	444 W Maple Rd
COMPANY CITY:	Suite D
COMPANY PHONE:	Troy, MI 48084
EMERGENCY PHONE:	Phone: 800-272-9353 (U.S)
CHEMTREC	Fax: 877-272-9355

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 HAZARD STATEMENTS: (CAT = Hazard Category)

<b>Physical Hazards:</b>	None known	
<b>Health Hazards:</b>	Skin corrosion	Category 1
	Eye corrosion	Category 1
<b>Environmental Hazards:</b>	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 3
<b>OSHA defined Hazards Label Elements</b>	<i>Not classified</i>	



**Signal Word** Danger

**Hazard Statement** Causes severe skin burns and eye damage. May be toxic to aquatic life. May be toxic to aquatic life with long lasting effects.

### 2.2 PRECAUTIONARY STATEMENTS:

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Do not breathe dusts or mists.

**PREVENTION:** Wash thoroughly after handling. Avoid release to the environment. Wear Protective gloves, eye protection, and face protection. If inhalable particles of dust or mists may occur during use, Wash hands and any exposed arrears thoroughly after handling.

**RESPONSE:** If swallowed: Immediately call a poison center and get medical attention. Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Rinse skin with water or shower.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. remove contact lenses, if present and easy to do. Continue rinsing.

**RESPONSE (CONT.):** If on clothing: Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

**STORAGE:** Store locked up.

**DISPOSAL:** Dispose of the contents/container in accordance with local, regional, national, and international regulation.

**Hazard(s) not otherwise classified (HNOC)** None Known

**SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.**

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>MATERIAL</b>	<b>CAS#</b>	<b>WT %</b>
Caustic Potash	1310-58-3	6-8%
Sodium Gluconate	527-07-1	3-5%
EDTA	64-02-8	1-3%
Non-hazardous surfactants	mixture	4-6%

**TRACE COMPONENTS:** Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

**SECTION 4. FIRST AID MEASURES**

**Inhalation** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

**Skin Contact** Remove contaminated clothing immediately and wash skin with soap and water. Take off immediately all contaminated clothing. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

**Eye Contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. If ingestion occurs, call a poison control center immediately.

**Most important symptoms/effects, acute and delayed** Dermatitis. Rash. Direct contact with eyes causes corrosion. Skin corrosion. May cause an allergic skin reaction. May cause redness and pain.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Reddening of the eyes or skin.

**General information** Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Water Fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). Water Jet.
<b>Unsuitable Extinguishing media</b>	None Known
<b>Specific Hazards arising from the chemical</b>	Irritating vapors may be produced if ignited
<b>Special protective equipment</b>	Self-Contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	In case of fire do not breath fumes.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of the other involved materials.
<b>General fire hazards</b>	None Known

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment, emergency procedures</b>	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS
<b>Methods and materials for containment and cleaning up</b>	<p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece, mop). Clean surface thoroughly to remove residual contamination.</p>
<b>Environmental precautions</b>	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, Water courses or onto the ground.

## SECTION 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage. Avoid releases to the environment. Do not empty into drains.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store in a cool, dry place out of direct sunlight.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

#### US. ACGIH Threshold Limit Values

##### Components:

None Known

#### US. NIOSH: Pocket Guide to Chemical Hazards

##### Components:

None Known

<b>Biological Limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate Engineering Controls</b>	If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and an emergency shower must be available when handling this product.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/Face protection</b>	Wear safety glasses with side shields (or goggles). Face shield is recommended.
<b>Skin protection</b>	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Liquid, Milky-White
ODOR:	Mild
ODOR THRESHOLD:	Not Available
pH (Neutrality):	13.8-14.0
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP,50%,Dry Point):	Not Available
FLASH POINT (TEST METHOD):	Not Available
EVAPORATION RATE (n-Butyl Acetate=1):	Not Available
FLAMMABILITY CLASSIFICATION:	Non Flammable Hazard
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C / 68 F:	Not Available
VAPOR DENSITY (air=1):	Not Available
GRAVITY @ 68/68 F / 20/20 C:	
SPECIFIC GRAVITY (Water=1):	1.12 g/mL
POUNDS/GALLON:	9.3 lb/gal
WATER SOLUBILITY:	Soluble
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	Not Available
VOCs (>0.044 Lbs/Sq In) :	Not Available
TOTAL VOC'S (TVOC)*:	Not Available
NONEXEMPT VOC'S (CVOC)*:	Not Available
HAZARDOUS AIR POLLUTANTS (HAPS):	Not Available
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) 0.0	
VISCOSITY @ 20 C (ASTM D445):	Not Available
VOLATILE %:	Not Available

\* Using CARB (California Air Resources Board Rules).

## SECTION 10. STABILITY & REACTIVITY

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reactions known under conditions of normal use
<b>Conditions to avoid</b>	None known
<b>Incompatible materials</b>	Strong oxidizing agents

**Hazardous decomposition products** No hazardous decomposition products are known

## SECTION 11. TOXICOLOGICAL INFORMATION

**Ingestion** Expected to be a low ingestion hazard

**Inhalation** Prolonged inhalation may be harmful

**Skin Contact** Causes skin corrosion. May cause an allergic skin reaction.

**Eye Contact** Direct contact with eyes causes eye corrosion.

**Symptoms related to the physical, chemical and toxicological characteristics** Dermatitis. Rash. Skin corrosion. Eye corrosion. May cause Redness and Pain . May cause an allergic skin reaction.

### Information on toxicological effects

**Acute toxicity** May cause an allergic skin reaction

**Skin Corrosion/irritation** Causes skin corrosion.

**Serious eye damage/Eye irritation** Direct contact with eyes causes corrosion.

**Respiratory sensitization** Not available.

**Skin sensitization** Not available

**Germ Cell mutagenicity** No data available to indicate product or any components present at greater than .01% are mutagenic or genotoxic

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity -Single Exposure** Not Classified.

**Specific target organ toxicity -Repeated exposure** Not Classified.

**Aspiration hazard** Not available.

**Chronic Effects** Prolonged inhalation may be harmful.

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No data available

**Persistence and degradability** No data is available on the degradability of this product

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Other adverse Effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers and liners may retain some product residues. Vapor from some product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal. ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES.

## SECTION 14. TRANSPORT INFORMATION

**MARINE POLLUTANT:** No

**DOT/TDG SHIP NAME:** UN1814, Potassium hydroxide, solutions, 8, PG-II

**IATA / ICAO:** UN1814, Potassium hydroxide, solutions, 8, PG-II

**IMO / IMDG:** UN1814, Potassium hydroxide, solutions, 8, PG-II

**Emergency Response Guidebook Number** 154

## SECTION 15. REGULATORY INFORMATION

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard Categories**  
Immediate Hazard- No  
Delayed Hazard- No  
Fire Hazard- No  
Pressure Hazard- No  
Reactivity Hazard- NO

### SARA 311/312 Hazardous chemical

Acute Health

### SARA 313 (TRI reporting)

Name	CAS	EINECS	WT	RQ(LBS)
Potassium Hydroxide	1310-58-3	215-181-3	2-4%	1000

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not Regulated

#### Safe Drinking Water Act (SDWA)

Not regulated

### State regulations

#### US. Massachusetts RTK- Substance List

Not regulated

#### US. New Jersey Worker and Community Right-to-Know Act

Not regulated

#### US. Pennsylvania Worker and Community Right-to-Know Law

Not regulated

#### US. Rhode Island RTK

Not regulated

#### US. California Proposition 65

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## SECTION 16. OTHER INFORMATION

**Issue Date** 10/28/20

**Version #** 01

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