

Issue Date: 29-Jul-2015

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Version: 2

## 1. IDENTIFICATION

### Product Identifier

 Product Name **TUMBLING FLUID**

### Other means of identification

SDS #

ITEM # H-7280-05

### Recommended use of the chemical and restrictions on use

Recommended Use Cleaner/Degreaser

### Details of the supplier of the safety data sheet

Supplier Address

 Ashburn Chemical Technologies  
 7403 Wright Rd  
 Houston, TX 77041

### Emergency Telephone Number

Company Phone Number 832-399-1000

 Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)  
 1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

Appearance Clear, Green

Physical State Liquid

Odor Mild

### Classification

Skin corrosion /irritation	Category 1
Serious eye damage/eye irritation	Category 1

### Signal Word

**DANGER**

### Hazard Statements

Causes severe skin burns and eye damage

Causes serious eye damage



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves /eye protection/face protection.

### Precautionary Statements - Response

Immediately call a poison center or doctor/physician

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

Immediately call a poison center or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a poison center or doctor/physician

IF SWALLOWED: rinse mouth. Do NOT induce vomiting

#### **Precautionary Statements - Storage**

Store locked up

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

#### **Other Hazards**

Harmful to aquatic life with long lasting effects

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

Chemical Name	CAS No	Weight-%
Sodium metasilicate	6834-92-0	1-10
Potassium Hydroxide	1310-58-3	1-3
EDTA, tetrasodium salt	64-02-8	1-3
Proprietary surfactant mixture	proprietary	1-10

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### **4. FIRST-AID MEASURES**

#### **First Aid Measures**

<b>General Advice</b>	If you feel unwell, seek medical advice. Show the label where possible. Show this safety data sheet to the doctor / medical personnel for treatment
<b>Eye Contact</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
<b>Skin Contact</b>	Wash contact areas with soap and water. Remove contaminated clothing and launder before reuse. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove from further exposure. Use adequate respiratory protection. Seek immediate medical assistance.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

#### **Most important symptoms and effects**

<b>Symptoms</b>	Severe eye damage, skin burns, digestive tract burns. Upper respiratory tract irritation. Mucous membrane irritation See SECTION 11 for more information.
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#### **Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat as a corrosive substance
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### **5. FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
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**Unsuitable Extinguishing Media** None-known.

**Specific Hazards Arising from the Chemical**

Thermal decomposition may produce toxic fumes of phosphorus.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Avoid contact with skin or eyes.  
Avoid breathing dust/fume/gas/mist/vapors/spray  
See SECTION 8 for Personal Protective Equipment

**Environmental Precautions**

Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water.  
Prevent further leakage or spillage if safe to do so.  
See SECTION 12 for Ecological Information.

**Methods for Clean-Up**

Absorb or cover with dry earth, sand or other non-combustible material.  
Sweep up absorbed material and shovel into suitable containers for disposal.  
Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.  
See SECTION 13 for Waste Disposal.

## 7. HANDLING AND STORAGE

**Advice on Safe Handling**

Do not handle until all safety precautions have been read and understood.  
Handle in accordance with good industrial hygiene and safety practice.  
Avoid breathing fumes, vapors, mists, spray.  
Wash face, hands, and any exposed skin thoroughly after handling.  
Contaminated work clothing should not be allowed out of the workplace.  
See SECTION 2 for Precaution Statements.  
See SECTION 8 for Personal Protection.

**Storage Conditions**

Keep container tightly closed and store in a cool, dry and well-ventilated place.  
Do not store in open or unlabeled containers. Storage temperature below 40° F. Store locked up.

**Incompatible Materials**

Strong acids, strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

**Component Information**

Chemical Name	ACGIH TLV (TWA)	OSHA PEL (TWA)	NIOSH
Potassium Hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) ceiling 2 mg/m <sup>3</sup>	Ceiling 2 mg/m <sup>3</sup>
Sodium metasilicate 6834-92-0	2 mg/m <sup>3</sup> TWA: 8 hr	2 mg/m <sup>3</sup>	-

**Legend:**

**ACGIH:** American Conference of Governmental Industrial Hygienists  
**OSHA:** Occupational Safety and Health Administration  
**NIOSH:** National Institute for Occupational Safety and Health

**TLV:** Threshold Limit Value  
**PEL:** Permissible Exposure Limit  
**TWA:** Time weighted average

**Appropriate Engineering Controls** Adequate ventilation. Maintain eye wash fountain and quick-drench facilities in work area.

**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Safety glasses and face shield are recommended.
<b>Skin and Body Protection</b>	Nitrile rubber gloves / Chemical resistant or water resistant gloves Personal protective clothing must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection
<b>General Hygiene Considerations</b>	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing and launder before reuse. See SECTION 4 for First-Aid Measure

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Green		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
pH	12.5-13.0		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	> 100 °C / 212 °F		
Flash Point	Not flammable		
Evaporation Rate	< 1.0	(butyl acetate = 1)	
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined	@68° F(20°C)	
Vapor Density	Not determined	(Air=1)	
Specific Gravity	1.11-1.12	(1=Water)	
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
VOC Content (%)	Not determined		

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Reacts violently with strong alkaline substances. May react with reducing agents.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	Incompatible Materials.
<b>Incompatible Materials</b>	Strong acids, strong oxidizing agents

**Hazardous Decomposition Products**

Thermal decomposition and combustion are not expected to occur except under extreme conditions. See SECTION 5 in the event of fire.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Eye Contact</b>	Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>Skin Contact</b>	Corrosive to skin. Prolonged contact may cause severe burns
<b>Inhalation</b>	May cause irritation to upper respiratory system.
<b>Ingestion</b>	Harmful if swallowed. May cause digestive tract burns.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Acute Effects</b>	Exposure to alkaline solutions may result in irritation to any contact tissue, including possible burns, depending on the concentration, duration, and nature of the exposure
<b>Chronic Effects</b>	None-known

**Information on physical, chemical and toxicological effects**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium Hydroxide 1310-58-3	333 mg/kg ( Rat )	-	-
Sodium metasilicate 6834-92-0	= 600 mg/kg ( Rat )	-	-
Tetrasodium EDTA 64-02-8	= 10 g/kg ( Rat )	-	-

**Information on physical, chemical, and toxicological effects**

<b>Carcinogenicity</b>	No data available
<b>Reproductive Toxicity</b>	No data available
<b>STOT- repeated/single exposure</b>	No data available (for both single and repeated exposure)
<b>Additional Information</b>	No data available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Harmful to aquatic life with long lasting effects.
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Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static		610: 24 h Daphnia magna mg/L EC50

<b>Persistence/Degradability</b>	No data available.
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<b>Bioaccumulation</b>	No data available
<b>Mobility</b>	Potassium Hydroxide CAS 1310-58-3 log POW: 0.83
<b>Other Adverse Effects</b>	Not determined

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

<b><u>Note</u></b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b><u>DOT</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated

### 15. REGULATORY INFORMATION

<b><u>International Inventories</u></b>	The component(s) of this product comply with the inventory requirement administered by the governing countries
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Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Potassium Hydroxide	x	x		x	-	x	x	x	x	x
Tetrasodium EDTA	Present	X		Present		Present	X	Present	X	X

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

#### **US Federal Regulations**

<b>CERCLA</b>	This material contains a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 255)
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Component	Hazardous Substances RQs	CERCLA EHS RQs
Potassium hydroxide	1000 lb	-

**SARA 311/312 Hazardous Chemical**

Sodium Metasilicate CAS 6834-92-0	Acute Health Hazard	
Potassium hydroxide CAS 1310-58-3	Acute Health Hazard	Chronic Health Hazard
Tetrasodium EDTA CAS 64-02-8	Acute Health Hazard	Chronic Health Hazard

**SARA 313**

This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**Clean Water Act**

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Potassium hydroxide	X	1000 lb	-	-

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Potassium hydroxide	X	X	X	-	X
Tetrasodium EDTA	X	X	X		

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	0	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	0	0	Not determined

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**