



# SAFETY DATA SHEET

SDS NUMBER: 001017-15-LPI

SDS REVISIONS: FORMAT

DATE OF ISSUE: 12/03/15

**HAT TRICK®**  
SUPERSEDES: 04/10/13

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 PRODUCT IDENTIFIER:

**TRADE NAME:** HAT TRICK® THREE WAY HERBICIDE

**1.2 RECOMMENDED USE:** HERBICIDE FOR ANNUAL AND PERENNIAL BROADLEAF WEED CONTROL IN LISTED CROPS

### 1.3 SUPPLIER DETAILS:

LOVELAND PRODUCTS, INC.

P.O. Box 1286 • Greeley, CO 80632-1286

**1.4 24 Hour Emergency Phone:** 1-800-424-9300 - **Medical Emergencies:** 1-866-944-8565 – **Product Information:** 1-888-574-2878 (LPI-CUST)

**U.S. Coast Guard National Response Center:** 1-800-424-8802

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to 29 CFR 1910.1200**

Acute Toxicity – Oral

Category 4

H302

Acute Toxicity – Dermal

Category 4

H312

Eye Damage/Irritation

Category 2B

H320

Carcinogenicity

Category 2

H351

Flammable Liquids

Category 4

H227

### 2.2 Label elements



Signal word:

WARNING

Hazard Statement:

H302 – Harmful if swallowed.

H312 – Harmful in contact with skin.

H320 – Causes eye irritation.

H351 – Suspected of causing cancer.

H227 – Combustible liquid.

Precautionary

Statement:

P264 – Wash hands and face thoroughly after handling.

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

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

P210 – Keep away from heat/sparks/open flames/hot surfaces – No smoking.

(Prevention):

Precautionary

Statement:

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

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

P330 – Rinse mouth.

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

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

P370+P378 – In case of fire: Use medium appropriate to surrounding fire.

Precautionary

Statement:

(Storage):

P405 – Store locked up.

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

(Disposal):

P501 – Dispose of contents/container in accordance with federal, state and local regulations.

### 2.3 Other hazards

None known





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### 3. COMPOSITION, INFORMATION ON INGREDIENTS

#### 3.1 Substances

#### 3.2 Mixtures

##### Classification according to 29 CFR 1910.1200

Chemical Name:	CAS No.	Classification	Concentration [%]
Isooctyl (2-ethylhexyl) ester of MCPA	29450-45-1	Dermal tox. 4; H312	34 - 36
Fluroxypyr 1-methylheptyl ester	81406-37-3	Oral. tox: 4; H302	8 - 9
Clopyralid	57754-85-5	Eye dam/irrit. 2B; H320 Carc. 2; H351	6.3 – 6.6
*Other ingredients, contains	Trade Secret	Comb. Liq. 4; H227	Trade Secret
Naphthalene	91-20-3		3 - 4
N-Methyl-2-pyrrolidone	872-50-4		5 - 6

\*Ingredients not specifically listed are non-hazardous or are to be considered proprietary or confidential business information per 29 CFR 1910.1200(i)

### 4. FIRST AID MEASURES

#### 4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

- If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

#### 4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: Eye exposure may cause moderate irritation. Skin exposure may cause moderate irritation.

#### 4.3 Immediate Medical Attention and Special Treatment

NOTES TO PHYSICIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565**

Take container, label or product name with you when seeking medical attention.

### 5. FIRE FIGHTING MEASURES

#### 5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Dry chemical, carbon dioxide (CO<sub>2</sub>), alcohol foam, foam, water spray or fog.

#### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: May produce gases such as hydrogen chloride, oxides of nitrogen and oxides of carbon.

#### 5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.



## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Avoid inhalation of mists and vapors, and contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.

### 6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. When cleaning equipment, do not pour wash water on the ground; spray or drain over a large area away from wells and other water sources. Do not contaminate water when disposing of equipment wash waters. **Groundwater Contamination:** Most cases of groundwater contamination involving phenoxy herbicides such as MCPA have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCPA pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination. Clopyralid is a chemical which can travel (seep or leach) through soil and under certain conditions contaminate groundwater which may be used for irrigation or drinking purposes. Users are advised not to apply clopyralid where soils have a rapid to very rapid permeability throughout the profile (such as loamy sand to sand) and the water table of an underlying aquifer is shallow, or to soils containing sinkholes over limestone bedrock, severely fractured surfaces, and substrates which would allow direct introduction into an aquifer. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

### 6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Absorb and/or contain spill with inert material, then place in a suitable container. Check local, state and federal regulations for proper disposal. Never return spills to original containers for re-use. **CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

## 7. HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling: Do not breathe mist, vapors or spray. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### 7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Always store pesticides in a secured warehouse or storage building. Containers should be opened in well-ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not store near open containers of fertilizer, seed or other pesticides. Do not contaminate water, food or feed by storage or disposal.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS: OCCUPATIONAL EXPOSURE LIMITS

#### U.S. Workplace Exposure Level (ACGIH) TLVs

Components	Type	Value
Naphthalene	TWA	52 mg/m <sup>3</sup>
	STEL/CEIL (C)	79 mg/m <sup>3</sup>

#### U.S. Workplace Exposure Level (OSHA) PELs

Components	Type	Value
Naphthalene	TWA	50 mg/m <sup>3</sup>

#### Biological limit values

##### ACGIH Biological Exposure Indices

Components	Value	Specimen	Sampling time
N-methyl-2-pyrrolidone	100 mg/L	Urine	End of shift





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### 8.2 EXPOSURE CONTROLS:

#### Engineering Measures

When engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation or engineering controls specific to the task at hand (refer to product labeling for specific information).

#### Individual Protection Measures:

Eye / Face Protection: Goggles or shielded safety glasses are recommended.  
Skin Protection: Long-sleeved shirt and long pants. Chemical-resistant gloves. Chemical-resistant footwear and socks.  
Respiratory Protection: Not normally required, if vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved air-purifying respirator with any cartridges/filter approved for pesticides. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE: Liquid.  
ODOR: Pungent.  
ODOR THRESHOLD: No data available.  
COLOR: Amber.  
pH: 2.47 (1% solution)  
MELTING POINT / FREEZING POINT: No data available  
BOILING POINT: No data available  
FLASH POINT: 156.9°F (69.4°C) Pensky-Martens Closed Cup.  
FLAMMABILITY (solid, gas): No data available.  
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: No data available.  
VAPOR PRESSURE: No data available.  
SOLUBILITY: Soluble.  
PARTITION CO-EFFICIENT, n-OCTANOL / WATER: No data available.  
AUTO-IGNITION TEMPERATURE: No data available.  
DECOMPOSITION TEMPERATURE: No data available.  
VISCOSITY: (kinematic): 7.867 Centistokes @ 20°C | 4.213 Centistokes @ 40°C  
SPECIFIC GRAVITY (Water = 1): 1.021 g/ml  
BULK DENSITY: 8.52 lbs./gal. / 1.02 kg/L

Note: These physical data are typical values based on material tested but may vary from sample to sample.  
Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

## 10. STABILITY AND REACTIVITY

### 10.1 REACTIVITY

Stable

### 10.2 CHEMICAL STABILITY

Stable under normal temperature conditions

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Will not polymerize.

### 10.4 CONDITIONS TO AVOID

Extreme heat or extreme cold. Do not store near heat of flame.

### 10.5 INCOMPATIBLE MATERIALS

Strong bases and strong acids. Oxidizers.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition products include, but are not limited to, hydrogen chloride, hydrogen fluoride, oxides of carbon and oxides of nitrogen.

## 11 TOXICOLOGICAL INFORMATION

### 11.3 LIKELY ROUTES OF EXPOSURE

Skin contact. Eye contact. Ingestion.

LC<sub>50</sub> (rat): > 2.07 mg/L (4 HR)

LD<sub>50</sub> Oral (female rat): > 2,000 mg/kg

LD<sub>50</sub> Dermal (rat): > 2,000 mg/kg

Acute Toxicity Estimates: No data available

Skin Irritation (rabbit): Moderately irritating. Overexposure by skin absorption may cause symptoms similar to those of ingestion.

Eye Irritation (rabbit): Moderately irritating.

Specific Target Organ Toxicity: No data available.

Aspiration: No data available

Skin Sensitization (guinea pig): Not a sensitizer.

Carcinogenicity: IARC-2B (Possibly Carcinogenic to Humans)

Germ Cell Mutagenicity: No data available

Interactive Effects: None known





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### 12 ECOLOGICAL INFORMATION

#### 12.3 ECOTOXICITY

##### Ecotoxicological Data

	Species	Test Results
MCPA 2EHE	Rainbow trout	3.2 mg/L – 96-hour LC <sub>50</sub>
	Bluegill	3.9 mg/L – 96-hour LC <sub>50</sub>
	Daphnia Magna	0.28 mg/L – 48-hour EC <sub>50</sub>

Drift or runoff may adversely affect non-target plants.  
Do not apply directly to water.  
Do not contaminate water when disposing of equipment wash water.  
Do not apply when weather conditions favor drift from target area.

#### 12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available.

#### 12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available.

#### 12.4 MOBILITY IN SOIL

No data available.

#### 12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

### 13 DISPOSAL CONSIDERATIONS

#### 13.1 WASTE TREATMENT METHODS

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed labeled container for proper disposal.

**Non-refillable container:** Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at [www.acrecycle.org](http://www.acrecycle.org). Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **For packages up to 5 gallons: Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. **For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**For packages greater than 56 gallons:** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. **For refillable containers:** Refill this container with pesticide only. Do not reuse the container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

### 14 TRANSPORT INFORMATION

#### 14.3 LAND TRANSPORT

**DOT Shipping Description:** 119 GALLONS AND LESS: NOT REGULATED.

**DOT Shipping Description:** NA 1993, COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM DISTILLATES), III ERG GUIDE 128

**U.S. Surface Freight Classification:** COMPOUND, TREE OR WEED KILLING, NOI (NMFC 50320, SUB 2: CLASS: 60)





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### 15 REGULATORY INFORMATION

#### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

##### NFPA & HMIS Hazard Ratings:

###### NFPA

1	Health	0	Least
2	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

###### HMIS

1	Health
2	Flammability
0	Reactivity
B	PPE

##### SARA Hazard Notification/Reporting

##### SARA Title III Hazard Category:

Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
Delayed	<u>Y</u>	Reactive	<u>N</u>		

**Reportable Quantity (RQ) under U.S. CERCLA:** Naphthalene (CAS: 91-20-3) 100 lbs. (3.7% maximum in the product).

**SARA, Title III, Section 313:** Naphthalene (CAS: 91-20-3); N-Methyl-2-pyrrolidone (CAS: 872-50-4).

**RCRA Waste Code:** U165 (Naphthalene).

**CA Proposition 65: WARNING:** This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### CAUTION

Harmful if absorbed through skin.

Harmful if swallowed.

Causes moderate eye irritation

Avoid contact with eyes, skin or clothing.

### 16 OTHER INFORMATION

**SDS STATUS:** Format revised.

**PREPARED BY:** Registrations and Regulatory Affairs

**REVIEWED BY:** Environmental Health and Safety

**EPA REG. NO.:** 34704-1017

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