

Material Safety Data Sheet

Dow AgroSciences LLC

Product Name: PASTUREGARD* High Load Herbicide

Issue Date: 04/07/2011 Print Date: 07 Apr 2011

Dow AgroSciences LLC encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. **Product and Company Identification**

Product Name

PASTUREGARD* High Load Herbicide

COMPANY IDENTIFICATION

Dow AgroSciences LLC A Subsidiary of The Dow Chemical Company 9330 Zionsville Road Indianapolis, IN 46268-1189 USA

Customer Information Number:

800-992-5994 SDSQuestion@dow.com

EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Contact: Local Emergency Contact:

800-992-5994 352-323-3500

2. **Hazards Identification**

Emergency Overview Color: Yellow Physical State: Liquid. Odor: Sweet

Hazards of product:

WARNING! May cause allergic skin reaction. May cause eye irritation. May cause skin irritation. May be harmful if swallowed. Isolate area. Toxic fumes may be released in fire situations.

OSHA Hazard Communication Standard

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Health Effects

Eye Contact: May cause slight eye irritation. May cause slight temporary corneal injury. Skin Contact: Brief contact may cause moderate skin irritation with local redness.

TM * Trademark of Dow AgroSciences LLC

Skin Absorption: Prolonged skin contact is unlikely to result in absorption of harmful amounts. **Skin Sensitization:** Has demonstrated the potential for contact allergy in mice.

Inhalation: No adverse effects are anticipated from single exposure to mist. Excessive exposure may cause irritation to upper respiratory tract (nose and throat).

Ingestion: Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

Aspiration hazard: Based on available information, aspiration hazard could not be determined. **Effects of Repeated Exposure:** For the active ingredient(s): Triclopyr butoxyethyl ester. In animals, effects have been reported on the following organs: Kidney. Liver. For the minor component(s): 2-Ethylhexanol In animals, effects have been reported on the following organs: Blood. Kidney. Liver. Spleen.

Birth Defects/Developmental Effects: For the active ingredient(s): Has been toxic to the fetus in laboratory animals at doses toxic to the mother. For the minor component(s): 2-Ethylhexanol Has been toxic to the fetus in laboratory animals at doses toxic to the mother. Has caused birth defects in laboratory animals only at doses toxic to the mother.

Reproductive Effects: For similar active ingredient(s). Triclopyr. In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

3. Composition Information

Component	CAS #	Amount
Triclopyr-2-butoxyethyl ester	64700-56-7	45.07 %
Fluroxypyr 1-methylheptyl ester	81406-37-3	15.56 %
2-Ethylhexanol	104-76-7	>= 1.2 - <= 2.4 %
Balance		>= 36.97 - <= 38.17
		%

4. First-aid measures

Description of first aid measures

General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Wash skin with soap and plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Wash clothing before reuse. Shoes and other leather items which cannot be decontaminated should be disposed of properly.

Eye Contact: Hold eyes 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 eyes. Call a poison control center or doctor for treatment advice. Suitable emergency eye wash facility should be available in work area.

Ingestion: 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 the poison control center or doctor. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. Fire Fighting Measures

Suitable extinguishing media

Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Do not use direct water stream. May spread fire. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Special hazards arising from the substance or mixture

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Hydrogen fluoride. Hydrogen chloride. Carbon monoxide. Carbon dioxide.

Unusual Fire and Explosion Hazards: Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. **Advice for firefighters**

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this (M)SDS.

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Small spills: Absorb with materials such as: Clay. Dirt. Sand. Sweep up. Collect in suitable and properly labeled containers. Large spills: Contact Dow AgroSciences for clean-up assistance. See Section 13, Disposal Considerations, for additional information.

7. Handling and Storage

Handling

General Handling: Keep out of reach of children. Do not swallow. Avoid breathing vapor or mist. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

Storage

Store in a dry place. Store in original container. Keep container tightly closed when not in use. Do not store near food, foodstuffs, drugs or potable water supplies.

8. Exposure Controls / Personal Protection

Exposure Limits			
Component	List	Туре	Value
Triclopyr-2-butoxyethyl ester	Dow IHG	TWA	2 mg/m3 D-SEN
Fluroxypyr 1-methylheptyl ester	Dow IHG	TWA	10 mg/m3

RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING. A D-SEN notation following the exposure guideline refers to the potential to produce dermal sensitization, as confirmed by human or animal data.

Personal Protection

Eye/Face Protection: Use safety glasses (with side shields).

Skin Protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber. Chlorinated polyethylene. Neoprene. Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Examples of acceptable glove barrier materials include: Natural rubber ("latex"). Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

Ingestion: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

Engineering Controls

Ventilation: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

9. Physical and Chemical Properties

Appearance Physical State Color Odor Odor Threshold pH Melting Point Freezing Point Boiling Point (760 mmHg)

Liquid. Yellow Sweet No test data available 4.91 (@ 1 %) *pH Electrode* Not applicable No test data available No test data available.

Flash Point - Closed Cup Evaporation Rate (Butyl Acetate = 1)	> 100 °C (> 212 °F) <i>Pensky-Martens Closed Cup ASTM D 93</i> No test data available
Flammable Limits In Air	Lower: No test data available
	Upper: No test data available
Vapor Pressure	No test data available
Vapor Density (air = 1)	No test data available
Specific Gravity (H2O = 1)	No test data available
Solubility in water (by	emulsifiable
weight)	
Partition coefficient, n-	No data available for this product. See Section 12 for individual
octanol/water (log Pow)	component data.
Autoignition Temperature	No test data available
Decomposition	No test data available
Temperature	
Kinematic Viscosity	15.1 mm2/s @ 39.9 ℃
Liquid Density	1.11 g/ml @ 20 °C Digital density meter

10. Stability and Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended storage conditions. See Storage, Section 7.

Possibility of hazardous reactions

Polymerization will not occur.

Conditions to Avoid: Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems.

Incompatible Materials: Avoid contact with oxidizing materials. Avoid contact with: Acids. Bases. **Hazardous decomposition products**

Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Hydrogen chloride. Hydrogen fluoride. Nitrogen oxides. Toxic gases are released during decomposition.

11. Toxicological Information

Acute Toxicity

Indestion As product: LD50, Rat, female 1,760 mg/kg Dermal As product: LD50, Rabbit > 5,000 mg/kg Inhalation As product: LC50, 4 h, Liquid aerosol., Rat > 5.14 mg/l Eve damage/eve irritation May cause slight eye irritation. May cause slight temporary corneal injury. Skin corrosion/irritation Brief contact may cause moderate skin irritation with local redness. Sensitization Skin Has demonstrated the potential for contact allergy in mice. Respiratory No relevant data found. **Repeated Dose Toxicity**

For the active ingredient(s): Triclopyr butoxyethyl ester. In animals, effects have been reported on the following organs: Kidney. Liver. For the minor component(s): 2-Ethylhexanol In animals, effects have been reported on the following organs: Blood. Kidney. Liver. Spleen.

Chronic Toxicity and Carcinogenicity

For similar active ingredient(s). Triclopyr. Fluroxypyr-meptyl. Did not cause cancer in laboratory animals.

Developmental Toxicity

For the active ingredient(s): Has been toxic to the fetus in laboratory animals at doses toxic to the mother. Did not cause birth defects in laboratory animals. For the minor component(s): 2-Ethylhexanol Has been toxic to the fetus in laboratory animals at doses toxic to the mother. Has caused birth defects in laboratory animals only at doses toxic to the mother.

Reproductive Toxicity

For similar active ingredient(s). Triclopyr. In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals. For the active ingredient(s): fluroxypyr methylheptyl ester In animal studies, did not interfere with reproduction.

Genetic Toxicology

For the active ingredient(s): In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

12. Ecological Information

Toxicity

Data for Component: Triclopyr-2-butoxyethyl ester

Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested). Material is slightly toxic to birds on an acute basis (LD50 between 501 and 2000 mg/kg). Material is practically non-toxic to birds on a dietary basis (LC50 > 5000 ppm).

Fish Acute & Prolonged Toxicity LC50, bluegill (Lepomis macrochirus), flow-through, 96 h: 0.36 mg/l Aquatic Invertebrate Acute Toxicity EC50, water flea Daphnia magna, 48 h, immobilization: 6.8 mg/l Aquatic Plant Toxicity EbC50, diatom Navicula sp., biomass growth inhibition, 120 h: 0.193 mg/l Aquatic Invertebrates Chronic Toxicity Value water flea Daphnia magna, 21 d, number of offspring, NOEC: 1.6 mg/l, LOEC: 5.1 mg/l Toxicity to Above Ground Organisms oral LD50, bobwhite (Colinus virginianus): 735 mg/kg dietary LC50, bobwhite (Colinus virginianus): 5,401 ppm oral LD50, Honey bee (Apis mellifera): > 100 micrograms/bee contact LD50, Honey bee (Apis mellifera): > 100 micrograms/bee Toxicity to Soil Dwelling Organisms LC50, Earthworm Eisenia foetida, adult, 14 d: > 1,042 mg/kg

Data for Component: Fluroxypyr 1-methylheptyl ester

Material is very highly toxic to aquatic organisms on an acute basis (LC50/EC50 <0.1 mg/L in the most sensitive species). Material is practically non-toxic to birds on an acute basis (LD50 > 2000 mg/kg). Material is practically non-toxic to birds on a dietary basis (LC50 > 5000 ppm).

Fish Acute & Prolonged Toxicity

LC50, rainbow trout (Oncorhynchus mykiss), static renewal, 96 h: > 0.225 mg/l LC50, sheepshead minnow (Cyprinodon variegatus), flow-through, 96 h: > 0.0866 mg/l The LC50 value is above the water solubility. **Aquatic Invertebrate Acute Toxicity** EC50, water flea Daphnia magna, static renewal, 48 h: > 0.183 mg/l The EC50 value is above the water solubility. **Aquatic Plant Toxicity** ErC50, diatom Navicula sp., static, 72 h: 0.24 mg/l

Toxicity to Above Ground Organisms

oral LD50, bobwhite (Colinus virginianus): > 2000 mg/kg bodyweight. dietary LC50, bobwhite (Colinus virginianus): > 2000 mg/kg diet. oral LD50, Honey bee (Apis mellifera): > 100 micrograms/bee contact LD50, Honey bee (Apis mellifera): > 100 micrograms/bee

Toxicity to Soil Dwelling Organisms

LC50, Earthworm, Lumbricus terrestris: > 1,000 mg/kg

Data for Component: 2-Ethylhexanol

Material is slightly toxic to aquatic organisms on an acute basis (LC50/EC50 between 10 and 100 mg/L in the most sensitive species tested).

Fish Acute & Prolonged Toxicity

LC50, rainbow trout (Oncorhynchus mykiss), 96 h: 32 - 37 mg/l **Aquatic Invertebrate Acute Toxicity** LC50, water flea Daphnia magna, 48 h, lethality: 35.2 mg/l **Aquatic Plant Toxicity** EC50, green alga Pseudokirchneriella subcapitata (formerly known as Selenastrum capricornutum), Growth rate inhibition, 72 h: 11.5 mg/l **Toxicity to Micro-organisms** EC50; bacteria, 16 h: 256 - 320 mg/l

Persistence and Degradability

Data for Component: Triclopyr-2-butoxyethyl ester

Chemical degradation (hydrolysis) is expected in the environment. Material is expected to biodegrade only very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.

Stability in Water (1/2-life):

12 h; 25 °C; pH 6.7

OECD Biodegradation Tests:

Biodegradation	Exposure Time	Method	10 Day Window
18 %	28 d	OECD 301B Test	pass

Theoretical Oxygen Demand: 1.39 mg/mg

Data for Component: Fluroxypyr 1-methylheptyl ester

Material is not readily biodegradable according to OECD/EEC guidelines. Stability in Water (1/2-life):

12.8 - 16.5 h

Data for Component: 2-Ethylhexanol

Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Material is ultimately biodegradable (reaches > 70% mineralization in OECD test(s) for inherent biodegradability).

OECD Biodegradation Tests:

Biodegradation	Exposure Time	Method	10 Day Window
68 %	17 d	OECD 301B Test	pass
> 95 %	5 d	OECD 302B Test	Not applicable

Indirect Photodegradation with OH Radicals

Rate Constant	Atmosph	eric Half-life	Method
1.32E-11 cm3/s	ç).7 h	Estimated.
Biological oxygen den	nand (BOD):		
BOD 5	BOD 10	BOD 20	BOD 28
26 - 70 %	75 - 81 %	86 - 87 %	

Chemical Oxygen Demand: 2.70 mg/mg

Theoretical Oxygen Demand: 2.95 mg/mg

Bioaccumulative potential

Data for Component: Triclopyr-2-butoxyethyl ester Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5). Partition coefficient, n-octanol/water (log Pow): 4.09 - 4.49 Measured Data for Component: Fluroxypyr 1-methylheptyl ester Bioaccumulation: Bioconcentration potential is low (BCF < 100 or Log Pow < 3). Partition coefficient, n-octanol/water (log Pow): 4.5 Measured Bioconcentration Factor (BCF): 26; rainbow trout (Oncorhynchus mykiss); Measured Data for Component: 2-Ethylhexanol Bioaccumulation: Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5). Partition coefficient, n-octanol/water (log Pow): 3.1 Measured Mobility in soil Data for Component: Triclopyr-2-butoxyethyl ester Mobility in soil: No relevant data found. Data for Component: Fluroxypyr 1-methylheptyl ester Mobility in soil: Expected to be relatively immobile in soil (Koc > 5000). Partition coefficient, soil organic carbon/water (Koc): 6.200Henry's Law Constant (H): 5.42E-08 atm*m3/mole: 25 ℃ Measured Data for Component: 2-Ethylhexanol Mobility in soil: Potential for mobility in soil is low (Koc between 500 and 2000). Partition coefficient, soil organic carbon/water (Koc): 800 Estimated. Henry's Law Constant (H): 2.49E-05 atm*m3/mole Estimated.

13. Disposal Considerations

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

14. Transport Information

DOT Non-Bulk NOT REGULATED

DOT Bulk NOT REGULATED

IMDG

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Technical Name: Triclopyr and Fluroxypyr Hazard Class: 9 ID Number: UN3082 Packing Group: PG III EMS Number: F-A,S-F Marine pollutant.: Yes

ICAO/IATA

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Technical Name: Triclopyr and Fluroxypyr Hazard Class: 9 ID Number: UN3082 Packing Group: PG III Cargo Packing Instruction: 964

Passenger Packing Instruction: 964 Additional Information

MARINE POLLUTANT

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. Regulatory Information

OSHA Hazard Communication Standard

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Immediate (Acute) Health Hazard	Yes
Delayed (Chronic) Health Hazard	Yes
Fire Hazard	No
Reactive Hazard	No
Sudden Release of Pressure Hazard	No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This product contains the following substances which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and which are listed in 40 CFR 372.

Component	CAS #	Amount
Triclopyr-2-butoxyethyl ester	64700-56-7	45.07%

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List:

The following product components are cited in the Pennsylvania Hazardous Substance List and/or the Pennsylvania Environmental Substance List, and are present at levels which require reporting.

Component	CAS #	Amount
2-Ethylhexanol	104-76-7	>= 1.2 - <= 2.4 %
Triclopyr-2-butoxyethyl ester	64700-56-7	45.07%

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Special Hazardous Substances List:

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

US. Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

16. Other Information

Hazard Rating	System		
NFPA	Health	Fire	Reactivity
	2	1	0

Revision

Identification Number: 1047340 / 1016 / Issue Date 04/07/2011 / Version: 1.0 DAS Code: GF-2691

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

Legend

Legena	
N/A	Not available
W/W	Weight/Weight
OEL	Occupational Exposure Limit
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
ACGIH	American Conference of Governmental Industrial Hygienists, Inc.
DOW IHG	Dow Industrial Hygiene Guideline
WEEL	Workplace Environmental Exposure Level
HAZ_DES	Hazard Designation
Action Level	A value set by OSHA that is lower than the PEL which will trigger the need for
	activities such as exposure monitoring and medical surveillance if exceeded.

Dow AgroSciences LLC urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDS obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.