

Safety Data Sheet P.T. Dow AgroSciences Indonesia

Product Name: Topshot 60 OD Herbicide

Issue Date: 00/00/0000 **Print Date:** 02 May 2019

P.T. Dow AgroSciences Indonesia 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

Topshot 60 OD Herbicide

COMPANY IDENTIFICATION

P.T. Dow AgroSciences Indonesia A Subsidiary of The Dow Chemical Company Wisma GKBI Floor 20, Suite 2001 JI. Jend. Sudirman No. 28 Jakarta, JR 10210 Indonesia

Customer Information Number:

62-21-2995 6200 SDSQuestion@dow.com

EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Contact: Local Emergency Contact: 62 61 7867060 62 21 75912862

2. Hazards Identification

Classification of the substance or mixture Hazard Class:

Flammable liquids	Category 4
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Aspiration hazard	Category 1
Carcinogenicity	Category 2
Acute aquatic toxicity	Category 3
Chronic aquatic toxicity	Category 3

Label elements Hazard Symbol:



Signal Word: Danger Hazards of product: Combustible liquid Causes serious eye irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Suspected of causing cancer. Harmful to aquatic life with long lasting effects.

Precautionary Statements:

Prevention: Wear protective gloves/ protective clothing. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting.
Storage: Store locked up.
Disposal: Dispose of contents and container to licensed, permitted incinerator, or other thermal destruction device.

3. Composition Information

Component	CAS #	Amount
Cyhalofop-butyl	122008-85-9	5.1 %
Penoxsulam	219714-96-2	1.02 %
Alkylphenol alkoxylate	69029-39-6	38.0 %
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	20.5 %
Naphthalene	91-20-3	>= 0.9 - <= 2.1 %
Balance	Not available	>= 33.28 - <= 34.48
		%

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: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not 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

If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. The decision of whether to induce vomiting or not should be made by a physician. 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. General purpose synthetic foams (including AFFF type) or protein foams are preferred if available. Alcohol resistant foams (ATC type) may function.

Extinguishing Media to Avoid: Do not use direct water stream. May spread fire.

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: 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. 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). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

Accidental Release Measures 6.

Personal precautions, protective equipment and emergency procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Keep upwind of spill. Ventilate area of leak or spill. No smoking in 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. Keep away from heat, sparks and flame. Do not swallow. Avoid breathing vapor or mist. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Use with adequate ventilation. Keep container closed. Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers. 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
Naphthalene	ACGIH ACGIH ID NAB	TWA STEL NAB	10 ppm SKIN 15 ppm SKIN 52 mg/m3 10 ppm

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 "skin" notation following the inhalation exposure guideline refers to the potential for dermal absorption of the material including mucous membranes and the eyes either by contact with vapors or by direct skin contact.

It is intended to alert the reader that inhalation may not be the only route of exposure and that measures to minimize dermal exposures should be considered.

Personal Protection

Eye/Face Protection: Use chemical goggles.

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: Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Styrene/butadiene rubber. Viton. Examples of acceptable glove barrier materials include: Butyl rubber. Chlorinated polyethylene. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). 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: Avoid ingestion of even very small amounts; do not consume or store food or tobacco in the work area; wash hands and face 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	Liquid.
Color	Yellow
Odor	Sweet
Odor Threshold	No test data available
рН	6.86 (1% aqueous suspension)
Melting Point	Not applicable
Freezing Point	No test data available
Boiling Point (760 mmHg)	No test data available.
Flash Point - Closed Cup	72.5 °C Pensky-Martens Closed Cup ASTM D 93
Evaporation Rate (Butyl	No test data available
Acetate = 1)	
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
	no test data avallable
Temperature	
	No test data available
Explosive properties	NO
Uxidizing properties	No significant increase (>50) in temperature.
Liquia Density	0.976 g/mi @ 20 °C Digital density meter

10. Stability and Reactivity

Reactivity

No dangerous reaction known under conditions of normal use. **Chemical stability** Thermally stable at typical use temperatures.

Possibility of hazardous reactions

Polymerization will not occur.

Conditions to Avoid: Active ingredient decomposes at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems.

Incompatible Materials: Avoid contact with: Strong oxidizers.

Hazardous decomposition products

Decomposition products depend upon temperature, air supply and the presence of other materials.

11. Toxicological Information

Acute Toxicity

Ingestion

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. As product: LD50, rat, female > 5,000 mg/kg

Aspiration hazard

Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage or even death due to chemical pneumonia.

Dermal

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: LD50, rat, male and female > 5,000 mg/kg

Inhalation

No adverse effects are anticipated from single exposure to mist. Based on the available data, narcotic effects were not observed. Based on the available data, respiratory irritation was not observed.

As product: LC50, 4 h, Mist, rat, male and female > 6.36 mg/l

No deaths occurred at this concentration.

Eye damage/eye irritation

May cause moderate eye irritation. May cause slight corneal injury.

Skin corrosion/irritation

Prolonged contact may cause slight skin irritation with local redness.

Sensitization

Skin

For similar material(s): Has caused allergic skin reactions when tested in guinea pigs.

Respiratory

No relevant data found.

Repeated Dose Toxicity

For the active ingredient(s): Kidney. Liver. Gall bladder. Based on information for component(s): Cataracts and other eye effects have been reported in humans repeatedly exposed to naphthalene vapor or dust. Ingestion of naphthalene by humans has caused hemolytic anemia. Excessive exposure may cause hemolysis, thereby impairing the blood's ability to transport oxygen. In animals, effects have been reported on the following organs: Gastrointestinal tract. Kidney. Liver. Thyroid. Urinary tract. Dose levels producing these effects were many times higher than any dose levels expected from exposure due to use.

Chronic Toxicity and Carcinogenicity

Contains naphthalene which has caused cancer in some laboratory animals. In humans, there is limited evidence of cancer in workers involved in naphthalene production. Limited oral studies in rats were negative. For the active ingredient(s): Did not cause cancer in laboratory animals.

Carcinogenicity Classifications:

Component	List	Classification
Naphthalene	IARC NTP	Possibly carcinogenic to humans.; 2B Anticipated carcinogen.

Developmental Toxicity

For the active ingredient(s): Cyhalofop butyl. Has been toxic to the fetus in laboratory animals at doses toxic to the mother. Active ingredient did not cause birth defects in laboratory animals.

Reproductive Toxicity

For the active ingredient(s): 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. For the minor component(s): In vitro genetic toxicity studies were negative in some cases and positive in other cases.

12. **Ecological Information**

Toxicity

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). Material is practically non-toxic to birds on an acute basis (LD50 > 2000 mg/kg).

Fish Acute & Prolonged Toxicity

As product: LC50, Oncorhynchus mykiss (rainbow trout), flow-through test, 96 h: 10.6 mg/l Aquatic Invertebrate Acute Toxicity

As product: EC50, Daphnia magna (Water flea), flow-through test, 48 h, immobilization: 18.2 mg/l Aquatic Plant Toxicity

ErC50, Pseudokirchneriella subcapitata, Growth rate inhibition, 72 h: 10.7 mg/l

Toxicity to Above Ground Organisms

oral LD50, Colinus virginianus (Bobwhite quail): > 2250 mg/kg bodyweight.

oral LD50, Apis mellifera (bees): > 200 micrograms/bee

contact LD50, Apis mellifera (bees): > 200 micrograms/bee

Toxicity to Soil Dwelling Organisms

LC50, Eisenia fetida (earthworms), 14 d: 314.1 mg/kg

Persistence and Degradability

Data for Component: Cyhalofop-butyl

Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

Stability in Water (1/2-life):

7 d

OECD Biodegradation Tests:

Biodegradation	Exposure Time	Method	10 Day Window
40 %	29 d	OECD 301B Test	fail
Indirect Photodegradation with OH Radicals			
Rate Constant Atmospheric Half-life			Method
2.18E-11 cm3/s	5.8	8 d	Measured

Theoretical Oxygen Demand: 1.97 mg/mg

Data for Component: Penoxsulam

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

OECD Biodegradation Tests:

Biodegradation	Exposure Time	Method	10 Day Window
14.7 %	28 d	OECD 301B Test	fail
Indirect Photodegradation with OH Radicals			
Rate Constant	Atmosphe	ric Half-life	Method
6.03E-11 cm3/s	2.1	h	Estimated.

Data for Component: Alkylphenol alkoxylate

Biodegradation under aerobic laboratory conditions is below detectable limits (BOD20 or BOD28/ThOD < 2.5%).

Chemical Oxygen Demand: 1.78 mg/mg

Theoretical Oxygen Demand: 2.35 mg/mg

Data for Component: Solvent naphtha (petroleum), heavy aromatic

Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

OECD Biodegradation Tests:

Biodegradation	Exposure Time	Method	10 Day Window
39 %	28 d	OECD 301D Test	fail

Data for Component: Naphthalene

Biodegradation under aerobic static laboratory conditions is high (BOD20 or BOD28/ThOD > 40%).

Indirect Photodegradation with OH Radicals

Rate Constant	Atmospheric Half-life	Method
2.16E-11 cm3/s	5.9 h	Estimated.
Biological oxygen demand (BOD):		

BOD 5	BOD 10	BOD 20	BOD 28
57.000 %	71.000 %	71.000 %	

Theoretical Oxygen Demand: 3.00 mg/mg

Bioaccumulative potential

Data fo	r Component: Cyha	<u>lofop-butyl</u>			
	Bioaccumulation:	Bioconcentration pote	ential is low (BCF < 1	00 or Log Pow < 3).	
	Partition coefficier	nt, n-octanol/water (I	og Pow): 3.32 Meas	sured	
	Bioconcentration	Factor (BCF): < 7; Fis	sh; Measured		
Data fo	r Component: Peno	xsulam			
	Bioaccumulation:	Bioconcentration pote	ential is low (BCF < 1	00 or Log Pow < 3).	
	Partition coefficier	nt, n-octanol/water (l	og Pow): -0.602 Me	easured	
Data fo	r Component: Alkyl	phenol alkoxylate			
	Bioaccumulation:	No bioconcentration is	s expected because	of the relatively high w	/ater
	solubility. May foan	n in water.			
Data fo	r Component: Solve	ent naphtha (petrole	um), heavy aromatic	<u>c</u>	
	Bioaccumulation:	Bioconcentration pote	ential is high (BCF > 3	3000 or Log Pow betw	een 5 and
	7).				
	Partition coefficier	nt, n-octanol/water (l	log Pow): 2.9 - 6.1 N	<i>l</i> easured	
Data fo	r Component: Naph	<u>thalene</u>			
	Bioaccumulation:	Bioconcentration pote	ential is moderate (BC	CF between 100 and 3	8000 or Log
	Pow between 3 and	5).			
	Partition coefficier	nt, n-octanol/water (l	log Pow): 3.3 Measu	ured	
	Bioconcentration	Factor (BCF): 40 - 30	0; Fish; Measured		
Mobili	ty in soil				
Data fo	r Component: Cyha	lofop-butyl			
	Mobility in soil: Ex	pected to be relatively	y immobile in soil (Ko	oc > 5000).	
	Partition coefficier	nt, soil organic carbo	on/water (Koc): 5,24	7 Measured	
	Henry's Law Cons	tant (H): 9.51E-04 Pa	a*m3/mole.		
Data fo	r Component: Peno	xsulam			
	Mobility in soil: Po	tential for mobility in s	soil is high (Koc betw	een 50 and 150).	
	Partition coefficier	nt, soil organic carbo	on/water (Koc): 73	Measured ,	
	Henry's Law Cons	tant (H): 1.66E-16 atr	m*m3/mole; 25 °C E	stimated.	
Data fo	r Component: Alkyl	phenol alkoxylate			
	Mobility in soil: No	data available.			
Data fo	r Component: Solve	ent naphtha (petrole	um), heavy aromatic	<u>C</u>	
	Mobility in soil: No	data available.		_	
Data fo	r Component: Naph	thalene			
	Mobility in soil: Po	tential for mobility in s	soil is medium (Koc b	etween 150 and 500).	
	Partition coefficien	nt, soil organic carbo	on/water (Koc): 240	- 1,300 Measured	
	Henry's Law Cons	tant (H): 2.92E-04 - 5	5.53E-04 atm*m3/mo	le; 25 °C Measured	
	Distribution in Env	vironment: Mackay L	evel 1 Fugacity Mo	del:	
_	Air	Water.	Biota	Soil	Sediment
	74 %	8.5 %	< 0.01 %	18 %	0.39 %
L.					

Results of PBT and vPvB assessment

Data for Component: Cyhalofop-butyl

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Data for Component: Penoxsulam

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Data for Component: Alkylphenol alkoxylate

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT). Data for Component: **Solvent naphtha (petroleum), heavy aromatic**

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

Data for Component: Naphthalene

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT). **Other adverse effects**

Data for Component: Cyhalofop-butyl

This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

Data for Component: Penoxsulam

This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

Data for Component: Alkylphenol alkoxylate

This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

Data for Component: Solvent naphtha (petroleum), heavy aromatic

This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

Data for Component: Naphthalene

This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

13. Disposal Considerations

Disposal methods

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

IMDG NOT REGULATED

ICAO/IATA NOT REGULATED

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

Decree of Ministry of Manpower No. Kep-187/MEN/1999 regarding the Control of Hazardous Chemical Substances in the Workplace.

Toxic Substances Control Act (TSCA)

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	g System		
NFPA	Health	Fire	Reactivity
	2	2	0

Information Source and References

Product Regulatory Management

Revision

Identification Number: 76020 / 4023 / Issue Date 00/00/0000 / Version: .0 DAS Code: GF-1622

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

Legend

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

P.T. Dow AgroSciences Indonesia 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 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)SDSs 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.