



SAFETY DATA SHEET

FieldSaver Infield Amendment

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union standards

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): FieldSaver Infield Amendment
SYNONYMS: None known
PRODUCT (SDS) NUMBERS: 210-FS 50 (50% Sand - 50% DE Clay), 230-FS 60 (40% Sand - 60% DE Clay), 250-FS 75 (25% Sand - 75% DE Clay), 270-FS 90 (10% Sand - 90% DE Clay)

MANUFACTURER'S NAME: **DuraEdge Products, Inc.**
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DATE OF PREPARATION: October 31, 2021
CURRENT REVISION DATE: October 31, 2021

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a solid mixture made up of naturally occurring materials.

Health Hazards: Prolonged contact may cause irritation to skin. Direct contact may cause irritation to eyes. Inhalation of dust may cause respiratory irritation. Ingestion may cause gastrointestinal irritation.

Flammability Hazards: Non-Flammable product.

Reactivity Hazards: None.

Environmental Hazards: Not expected to have significant environmental effects.

Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS

CANADA (WHMIS) SYMBOLS

EUROPEAN and (GHS) Hazard Symbols

Non-Regulated Material

Complies with WHMIS 2015



Signal Word: **Danger!**

GHS LABELING AND CLASSIFICATION:

CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:

EC# 238-878-4 This substance is not indexed in Annex VI of Directive 67/548/EEC

EC# 601-803-4 This substance is not indexed in Annex VI of Directive 67/548/EEC

EC# 604-718-0 This substance is not indexed in Annex VI of Directive 67/548/EEC

EC# 231-545-4 This substance is not indexed in Annex VI of Directive 67/548/EEC

EC# 215-279-6 This substance is not indexed in Annex VI of Directive 67/548/EEC

EC# 215-275-4 This substance is not indexed in Annex VI of Directive 67/548/EEC

Components Determining Hazards:

All Ingredients

GHS Hazard Classification(s):

Skin Irritant Category 2

Eye Irritant Category 2

STOT SE Category 3

Carcinogen Category 1B

STOT RE Category 1



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Hazard Statement(s):

H315: Causes skin irritation
H319: Causes eye irritation
H335: May cause respiratory irritation
H350: May cause cancer
H372: Causes damage to organs through prolonged or repeated exposure

Precautionary Statement(s):

P260: Do not breath dust
P264: Wash hands thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P280: Wear protective gloves/protective clothing/eye protection/face protection

Response Statement(s):

P332+P313: If skin irritation occurs: Get medical advice/attention
P337+P313: If eye irritation persists: Get medical advice/attention
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing

Storage Statement(s):

P403+P233: Store in a well-ventilated place.

Disposal Statement(s):

P501: Dispose of contents/container in accordance with local/regional/national/international regulations

OTHER KNOWN HAZARDS:

This mixture has not been tested to the criteria for PBT or vPvB in accordance with Annex VI.
No other hazards known

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE: Prolonged or repeated contact may cause irritation to skin. Contact with eyes can cause moderate irritation. Inhalation of dust may cause respiratory irritation. Ingestion of this product may cause irritation of the gastrointestinal system.

CHRONIC: This product contains Crystalline Silica which is a known carcinogen.

TARGET ORGANS: ACUTE: Eye, Skin, Respiratory System CHRONIC: Respiratory System

3. COMPOSITION and INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	GHS HAZARD CLASSIFICATION(S):
Silica Sand (Quartz)	14808-60-7	238-878-4	0808	40 - 50%	H340: Carcinogenicity Cat 1B, H373: STOT RE Cat 1, H319: Eye Irritant Cat 2A, H335: Respiratory Irritant Cat 3
Illite	12173-60-3	601-803-4	Not Listed	20 – 40%	Not Classified
Chlorite	14998-27-7	604-718-0	Not Listed	15 – 25%	Not Classified
Silicon Dioxide	7631-86-9	231-545-4	Not Listed	15 – 25%	H319: Eye Irritant Cat 2A, H335: Respiratory Irritant Cat 3
Calcite	1317-65-3	215-279-6	Not Listed	2 – 3%	Not Classified
Hematite	1317-60-8	215-275-4	Not Listed	1 – 2%	Not Classified
Each of the other components present are less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)					

NOTE: * NOTE: The actual concentration is being withheld per WHMIS 2015 and OSHA HazCom 2012.

This product has been classified in accordance with the hazard criteria of OSHA 29CFR1910.1200 and the SDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

4. FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and SDS to health professional with contaminated individual.

EYE CONTACT: If product is in eyes, open victim's eyes while under gentle running water. Use sufficient force to open eyelids. Minimum flushing is for 15 minutes. Remove contact lenses, if worn. Seek medical attention if irritation persists.

SKIN CONTACT: Wash contacted area with soap and water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Seek medical attention if irritation develops and persists.

INHALATION: If chemical is inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.



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INGESTION: Routine use of this product is not expected to cause any situation which could lead to ingestion. If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory disorders or blood disorders may be adversely affected by any airborne particulate matter exposure.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

FLAMMABLE LIMITS (in air by volume, %): Lower NE Upper NE

FIRE EXTINGUISHING MATERIALS: Carbon dioxide, foam, dry chemical, halon, water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Care should be taken to avoid dust generation. Use of water on finely divided product may cause explosive hydrogen gas and heat to be evolved.

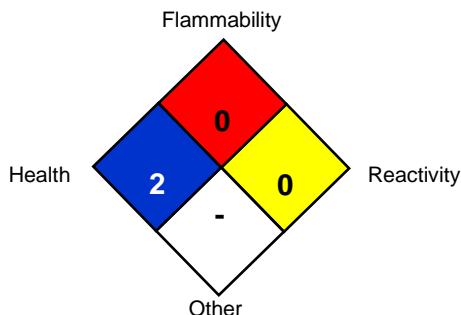
Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Not Sensitive

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or

other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			2
FLAMMABILITY HAZARD (RED)			0
PHYSICAL HAZARD (YELLOW)			0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Proper protective equipment should be used.

SPILLS: Contain spill if safe to do so. Vacuum cleaning is the preferred method for the dry fine materials. Avoid dry sweeping which creates dust. Reclaim or recycle material when possible. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: Wash thoroughly after handling this product. Use in a well-ventilated location. Remove contaminated clothing. Avoid breathing dust.

STORAGE AND HANDLING PRACTICES: Store product in properly labeled, closed containers in a dry location, away from incompatible materials. Protect from physical damage. Keep containers closed when not in use.



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8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation.

EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	WEEL
Silica Sand (Quartz)	14808-60-7	[(10) / (%SiO ₂ +2)] Respirable Fraction	0.05 mg/m ³	0.1 mg/m ³
Illite	12173-60-3	10 mg/m ³	15 mg/m ³	15 mg/m ³
Chlorite	14998-27-7	10 mg/m ³	15 mg/m ³	15 mg/m ³
Silicon Dioxide	7631-86-9	10 mg/m ³	15 mg/m ³	15 mg/m ³
Calcite	1317-65-3	10 mg/m ³	15 mg/m ³	15 mg/m ³
Hematite	1317-60-8	10 mg/m ³	15 mg/m ³	15 mg/m ³

Currently, International exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: May be required if not able to maintain exposure levels. If exposure limits are exceeded, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Recommended for normal handling and use. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION: Chemical resistant gloves should be worn for normal handling and use. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION: Wear as appropriate for the application. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9. PHYSICAL and CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE (Physical State) and COLOR:

ODOR:

ODOR THRESHOLD:

pH:

MELTING/FREEZING POINT:

BOILING POINT:

FLASH POINT:

EVAPORATION RATE (n-BuAc=1):

FLAMMABILITY (SOLID, GAS):

UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS:

VAPOR PRESSURE (mm Hg @ 20°C (68°F):

VAPOR DENSITY:

RELATIVE DENSITY:

SPECIFIC GRAVITY:

SOLUBILITY IN WATER:

WEIGHT PER GALLON:

PARTITION COEFFICIENT (n-octanol/water):

This product is a solid made up of naturally occurring materials.

Slight odor

Not Established

Not Available

Not Available

Not Available

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Available

Not Available

Non-Soluble

Not Available

Not Applicable



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AUTO-IGNITION TEMPERATURE: Not Applicable
DECOMPOSITION TEMPERATURE: Not Applicable
VISCOSITY: Not Available
VOC: Not Applicable
OTHER INFORMATION: Not Applicable
 No additional information available at this time.

10. STABILITY and REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage
DECOMPOSITION PRODUCTS: Silica containing respirable dust particles may be generated when handling. Metal oxides/fumes, sulfur and carbon oxides may be released at high temperatures.
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong oxidizers and strong acids.
HAZARDOUS DEPOLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Dust generation, Incompatible materials.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

Chemical Name	CAS#	Oral LD50	Dermal LD50	Inhalation LC50
Silica Sand (Quartz)	14808-60-7	No Data Found	No Data Found	20 mg/kg
Illite	12173-60-3	No Data Found	No Data Found	No Data Found
Chlorite	14998-27-7	No Data Found	No Data Found	No Data Found
Silicon Dioxide	7631-86-9	5000 mg/kg	No Data Found	200 gm/m ³ /1H
Calcite	1317-65-3	No Data Found	No Data Found	No Data Found
Hematite	1317-60-8	No Data Found	No Data Found	No Data Found

Acute Toxicity	Based on available data, the classification criteria are not met
Skin Corrosion / Irritation	Skin Irritant Category 2
Serious Eye Damage / Irritation	Eye Irritant Category 2
Respiratory or Skin Sensitization	Based on available data, the classification criteria are not met
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Carcinogenicity Category 1B
Reproductive Toxicity	Based on available data, the classification criteria are not met
STOT – Single Exposure	Specific target organ toxicity, single exposure Category 3
STOT – Repeated Exposure	Specific target organ toxicity, repeated exposure Category 1
Aspiration Hazard	Based on available data, the classification criteria are not met

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE:

EYE CONTACT: Eye contact may cause irritation.
SKIN CONTACT: Prolonged or repeated skin contact may product irritation.
INHALATION HAZARDS: Inhalation of dust may cause irritation.
INGESTION HAZARDS: Ingestion may cause gastrointestinal irritation.

CHRONIC: Product contains Crystalline Silica which is known to cause cancer.

TARGET ORGANS: **ACUTE:** Eye, Respiratory System, Skin **CHRONIC:** Respiratory System

SUSPECTED CANCER AGENT One or more of the ingredients within this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are considered to be, or suspected to be, cancer-causing agents by these agencies.

Crystalline Silica CAS# 14808-60-7

Inhalation (chronic): Risk of injury depends on duration and level of exposure.

Silicosis: This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a seriously disabling and fatal lung disease. See Note to Physicians in Section 4 for further information.

This product contains mica. Prolonged and repeated inhalation of respirable mica dust may cause lung disease (pneumoconiosis). The extent and severity of lung injury depends on duration and level of exposure.

Carcinogenicity: Crystalline silica is classified by IARC and NTP as a known human carcinogen.



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Autoimmune Some studies show that exposure to respirable crystalline silica (without silicosis) or Disease: that the disease silicosis may be associated with the increased incidence of several autoimmune disorders such as scleroderma (thickening of the skin), systemic lupus erythematosus, rheumatoid arthritis and diseases affecting the kidneys.

Tuberculosis: Silicosis increases the risk of tuberculosis.

Renal Disease: Some studies show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica.

IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin, eyes and respiratory system.

SENSITIZATION OF PRODUCT: This product is not considered a skin or respiratory sensitizer.

REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: The components of this product are not reported to produce mutagenic effects in humans.

Embryotoxicity: The components of this product are not reported to produce embryotoxic effects in humans.

Teratogenicity: The components of this product are not reported to produce teratogenicity effects in humans

Reproductive Toxicity: The components of this product are not reported to produce reproductive effects in humans

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

TOXICITY:

No specific data available on this product.

PERSISTENCE AND DEGRADABILITY:

No specific data available on this product.

BIOACCUMULATIVE POTENTIAL:

No specific data available on this product

MOBILITY IN SOIL:

No specific data available on this product.

RESULTS OF PBT AND vPvB ASSESSMENT:

No specific data available on this product.

OTHER ADVERSE EFFECTS:

None known

WATER ENDANGERMENT CLASS:

There are no ecotoxicological assessments for this product.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

14. TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Non-Regulated Material

HAZARD CLASS NUMBER and DESCRIPTION: None

UN IDENTIFICATION NUMBER: None

PACKING GROUP: None

DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): None

MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): This product is not classified as Dangerous Goods, by rules of IATA:



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INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION: This product is not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods

15. REGULATORY INFORMATION

UNITED STATES REGULATIONS:

SARA REPORTING REQUIREMENTS None Known

MARINE POLLUTANT This product contains no component listed as a Marine Pollutant under 49 CFR 172.101, Appendix B.

TSCA All components in this product mixture are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312: Acute Health: Yes; Chronic Health: Yes; Fire: No; Reactivity: No

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

U.S. TSCA INVENTORY STATUS: All of the components of this product are not listed in the TSCA Inventory.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does contain one or more components above the 0.1% level which is listed as a California Proposition 65 chemical.

⚠ WARNING! This product can expose you to chemicals which are known to the State of California to cause cancer or reproductive harm. For more information, go to WWW.P65Warning.ca.gov.

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Complies with WHMIS 2015

EUROPEAN ECONOMIC COMMUNITY INFORMATION: See Section 2 for Details

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

16. OTHER INFORMATION

ABBREVIATIONS AND ACRONYMS:

EPA: United States Environmental Protection Agency

ARD: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PREPARED BY: Paul Eigbrett

GHS MSDS Compliance PLUS

DATE OF PRINTING: October 31, 2021

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DISCLAIMER: This Safety Data Sheet (SDS) applies only to the material as packaged. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, DuraEdge Products, Inc assumes no responsibility for the completeness or accuracy of the information contained herein. Users must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and protection of the environment



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End of SDS sheet