



Divosan® Forte

Revision: 2024-07-31

Version: 02.0

1. IDENTIFICATION

Product name:	Divosan® Forte
SDS #:	MS0800626
Recommended use:	<ul style="list-style-type: none"> • Food Processing • Acid Sanitizer
Uses advised against:	<ul style="list-style-type: none"> • This product is intended to be diluted prior to use <p>Uses other than those identified are not recommended</p>
Manufacturer, importer, supplier:	
US Headquarters	
Diversey, Inc.	
P.O. Box 19747	
Charlotte, NC 28219-0747	
Phone: 1-888-352-2249	
SDS Internet Address: https://sds.diversey.com	
Emergency telephone number:	1-800-851-7145; 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product

Organic peroxides, Type F
 Flammable liquids, Category 4
 Skin corrosion, Category 1A
 Serious eye damage, Category 1
 Acute toxicity, inhalation, Category 4
 Specific target organ toxicity (single exposure), Category 3

**Signal word:****Danger.**

Hazard Statements

COMBUSTIBLE LIQUID. HEATING MAY CAUSE A FIRE. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. HARMFUL IF INHALED. MAY CAUSE RESPIRATORY IRRITATION.

Precautionary Statements

Causes burns/ serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from flames and hot surfaces. No smoking. Keep and store away from clothing and other combustible materials. Keep only in original container. Keep cool. Protect from sunlight. Do not breathe vapors. Avoid breathing spray. Wash affected areas thoroughly after handling. Use only in a well-ventilated area. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Wash contaminated clothing before reuse. In case of fire: Use CO₂, dry chemical, or foam to extinguish. Store in a well-ventilated place. Keep cool. Store at temperatures not exceeding 50 °C (122 °F). Store away from other materials. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Can react to release hazardous gases. May vigorously react with strong alkaline products resulting in spattering and excessive heat.

Health hazards not otherwise classified (HHNOC) - Not applicable**Physical hazards not otherwise classified (PHNOC)** - Not applicable

Classification for the diluted product 1:742

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Hazard and Precautionary Statements

None required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

Ingredient(s)	CAS #	Weight %
Hydrogen peroxide	7722-84-1	10 - 30%
Peracetic acid	79-21-0	10 - 30%
Acetic acid	64-19-7	10 - 30%

4. FIRST AID MEASURES

Undiluted Product:

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

Skin: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

Most Important Symptoms/Effects: No information available.

Immediate medical attention and special treatment needed: Not applicable.

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

Diluted Product:

Eyes: Rinse with plenty of water.

Skin: No specific first aid measures are required

Inhalation: No specific first aid measures are required

Ingestion: IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

5. FIRE-FIGHTING MEASURES

Specific methods: Do NOT get water inside containers. Containers which appear undamaged except for being damp on the outside should be thoroughly dried before opening and then opened and inspected immediately.

DO NOT attempt to reseal contaminated containers

Suitable extinguishing media: Flood fire area with large quantities of water, while knocking down vapors with water fog. If insufficient water supply: knock down vapors only.

Specific hazards: Oxidizer. Decomposition releases oxygen, which may intensify fire. Corrosive material (See sections 8 and 10).

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

Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Attention! Corrosive material. Put on appropriate personal protective equipment (see Section 8.).

Environmental precautions and clean-up methods:

Clean-up methods - large spillage. Eliminate all ignition sources. Material is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES permit. Prevent product from entering drains. Oxidizing material, do not allow to dry on material which may burn. Contamination with organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. Use clean equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. Contamination with organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. COMBUSTIBLE LIQUID AND VAPOR. Keep away from open flames, hot surfaces and sources of ignition. Use only in well-ventilated areas. Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH, OR OTHER CHLORINATED COMPOUNDS. May react to release hazardous gases. May vigorously react with strong alkaline products resulting in spattering and excessive heat.

Storage: Protect from freezing. Store in a cool, dry place, isolated from all organic material. Avoid heat and direct sunlight. Keep container closed. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Ingredient(s)	ACGIH	OSHA
Hydrogen peroxide	1 ppm (TWA)	1 ppm (TWA) 1.4 mg/m ³ (TWA)
Peracetic acid	0.4 ppm (STEL)	-
Acetic acid	15 ppm (STEL) 10 ppm (TWA)	10 ppm (TWA) 25 mg/m ³ (TWA)

Undiluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection:	Chemical-splash goggles.
Hand protection:	Chemical-resistant gloves.
Skin and body protection:	Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

Diluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Eye protection:	No personal protective equipment required under normal use conditions.
Hand protection:	No personal protective equipment required under normal use conditions.
Skin and body protection:	No personal protective equipment required under normal use conditions.
Respiratory protection:	No personal protective equipment required under normal use conditions.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Evaporation Rate: No information available

Odor threshold: No information available.

Melting point/freezing point (°C): Not determined

Autoignition temperature: No information available

Solubility in other solvents: No information available

Density: 1.15 Kg/L

Bulk density: No information available

Flash point (°F):

Kinematic viscosity No information available

VOC: 31.8 % *

Flammability (Solid or Gas): Not applicable

Sustained combustion: Not applicable

Explosion limits: - upper: Not determined - lower: Not determined

> 200 °F > 93.3 °C

VOC % by wt. at use dilution: 0.04

Color: Clear , Colorless

Odor: Pungent

Boiling point/range: Not determined

Decomposition temperature: Not determined Not applicable

Solubility: Completely Soluble

Relative Density (relative to water): 1.15

Vapor density: No information available

Vapor pressure: No information available.

Partition coefficient (n-octanol/water): No information available

Elemental Phosphorus: 0.02 % by wt.

pH: 0.65

Corrosion to metals: Not determined

10. STABILITY AND REACTIVITY

Reactivity:	Not Applicable
Stability:	The product is stable
Possibility of hazardous reactions:	May vigorously react with strong alkaline products resulting in spattering and excessive heat.
Hazardous decomposition products:	Oxygen.
Materials to avoid:	Combustible Materials. Metals. Organic materials. Reducing agents. Strong bases. Do not mix with chlorinated products (such as bleach). Do not mix with any other product or chemical unless specified in the use directions.
Conditions to avoid:	Strong sunlight for prolonged periods. Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye contact, Skin contact, Inhalation, Ingestion

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact: Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

Eye contact: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

Ingestion: Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing. Harmful if inhaled.

Sensitization: No known effects.

Target Organs (SE): No information available

Target Organs (RE):

Carcinogen Listings: This product contains sulfuric acid. Strong inorganic sulfuric acid mists are classified as known human carcinogens by IARC and NTP. However, this product is not intended to be sprayed or misted. Therefore, this product will not form sulfuric acid mists under normal use conditions or foreseeable emergencies

Ingredient(s)	CAS #	NTP	IARC	OSHA
Sulfuric acid	7664-93-9		1	

Numerical measures of toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal.

Waste from residues / unused products (undiluted product):

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Waste from residues / unused products (diluted product):

This product, when diluted as stated on this SDS, is a hazardous waste according to Federal regulations (40 CFR 261). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Pesticide Storage:

Refer to product label.

Pesticide Disposal:

Refer to product label.

Container Disposal:

Refer to product label.

RCRA Hazard Class (undiluted product): D001 Ignitable Waste. D002 Corrosive Waste.

RCRA Hazard Class (diluted product): D002 Corrosive Waste.

14. TRANSPORT INFORMATION

DOT (Ground) Bill of Lading Description: UN3109, ORGANIC PEROXIDE, TYPE F, LIQUID STABILIZED (less than 18% peroxyacetic acid), 5.2 (8), II

IMDG (Ocean) Bill of Lading Description: UN3109, ORGANIC PEROXIDE, TYPE F, LIQUID, STABILIZED, (less than 18% peroxyacetic acid), 5.2 (8), II, MARINE POLLUTANT

15. REGULATORY INFORMATION

International Inventories at CAS# Level

EPA Reg. No. : 875-107

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. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

DANGER: CORROSIVE. Causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist. Wear goggles or face shield (safety glasses), protective clothing, and chemical resistant rubber gloves when handling. Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet and after handling product. Remove contaminated clothing and wash before reuse. **ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. **PHYSICAL AND CHEMICAL HAZARDS:** STRONG OXIDIZING AGENT. Mix only with water. Product must be diluted in accordance with label directions for use. Do not contaminate with cleaners or sanitizers as rapid decomposition of product with release of oxygen can occur which may initiate combustion. Dispense directly from the original container. Use only dispensing equipment made of Teflon®, polyethylene or suitable plastics. Do not use rubber hoses or metal pumping or sampling equipment. If concentrated product must be transferred, use only a clean, dry container made of polyethylene or suitable plastics.

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Hydrogen peroxide	7722-84-1	10 - 30%		1000	
Peracetic acid	79-21-0	10 - 30%		500	X
Acetic acid	64-19-7	10 - 30%	5000		

Canadian Regulations

Ingredient(s)	CAS #	NPRI
Peracetic acid	79-21-0	X
Sulfuric acid	7664-93-9	X

16. OTHER INFORMATION

NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 3

Flammability 2

Instability 1
Special Hazards Oxy

Diluted Product:

Revision: 2024-07-31
Version: 02.0

Reason for revision: Not applicable
Prepared by: North American Regulatory Affairs
Additional advice:

- Does not contain an added fragrance

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