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2.9

1. IDENTIFICATION

Product identifier

Product Code(s) ADE78
Product name High Intensity White
Product category ADE Series SV Epoxy Screen Ink

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Industrial Printing Operations

Details of the supplier of the safety data sheet

UNITED STATES	UNITED KINGDOM
Nazdar Company	Nazdar Limited
8501 Hedge Lane Terrace	Barton Road
Shawnee, KS 66227	Heaton Mersey
Tel: +001-913-422-1888	Stockport, England SK4 3EG
Tel: +001-800-677-4657	Tel: +44 161 442 2111
Fax: +001-913-422-2294	
www.nazdar.com	

Emergency telephone number

USA: Chemtrec: +001-800-424-9300
Outside USA: Chemtrec: +001-703-527-3887
24 Hour Emergency Phone Number

2. HAZARDS IDENTIFICATION

Classification

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Flammable liquids	Category 3 - (H226)

Label elements



Signal word
Warning

Hazard statements

H226 - Flammable liquid and vapor
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary Statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention
P403 + P235 - Store in a well-ventilated place. Keep cool

Hazards not otherwise classified (HNOC)

Causes mild skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Mixture**

Chemical name	CAS No.	Weight-%	Trade secret	Note
Titanium dioxide	13463-67-7	30 - 60	*	
Resin	Not Available	30 - 60	*	
Dipropylene glycol monomethyl ether	34590-94-8	10 - 30	*	
Diacetone alcohol	123-42-2	5 - 10	*	
Propylene glycol monomethyl ether	107-98-2	1 - 5	*	
2-Butoxyethanol	111-76-2	1 - 5	*	
Silicon dioxide, amorphous	7631-86-9	1 - 5	*	
Additive	Not Available	0.1 - < 1	*	
Trimethylolpropane	77-99-6	0.1 - < 1	*	

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**Description of first aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed

None under normal use conditions.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Foam. Carbon dioxide (CO₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available.

Special Provisions

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal Precautions**

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

7. HANDLING AND STORAGE

Precautions for safe handling**Handling**

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters**Exposure limits**

Chemical name	ACGIH TLV
Titanium dioxide 13463-67-7	TWA: 0.2 mg/m ³ nanoscale respirable particulate matter TWA: 2.5 mg/m ³ finescale respirable particulate matter
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm
Diacetone alcohol 123-42-2	TWA: 10 ppm
Propylene glycol monomethyl ether 107-98-2	TWA: 50 ppm STEL: 100 ppm
2-Butoxyethanol 111-76-2	TWA: 20 ppm
Trimethylolpropane 77-99-6	TWA: 0.5 ppm inhalable fraction and vapor
Chemical name	OSHA PEL
Titanium dioxide 13463-67-7	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust
Dipropylene glycol monomethyl ether	TWA: 100 ppm

34590-94-8	TWA: 600 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m ³ dSk Sdv
Diacetone alcohol 123-42-2	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 240 mg/m ³
Propylene glycol monomethyl ether 107-98-2	(vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 540 mg/m ³
2-Butoxyethanol 111-76-2	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ dSk Sdv
Silicon dioxide, amorphous 7631-86-9	(vacated) TWA: 6 mg/m ³ <1% Crystalline silica TWA: 20 mppcf : (80)/(%) SiO ₂ mg/m ³ TWA

Chemical name	OSHA PEL (vacated)
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³ total dust
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³ Skin
Diacetone alcohol 123-42-2	TWA: 50 ppm TWA: 240 mg/m ³
Propylene glycol monomethyl ether 107-98-2	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 150 ppm STEL: 540 mg/m ³
2-Butoxyethanol 111-76-2	TWA: 25 ppm TWA: 120 mg/m ³ Skin
Silicon dioxide, amorphous 7631-86-9	TWA: 6 mg/m ³

Chemical name	Mexico OEL (TWA)
Titanium dioxide 13463-67-7	TWA/VLE-PPT: 10 mg/m ³
Dipropylene glycol monomethyl ether 34590-94-8	TWA/VLE-PPT: 100 ppm STEL/VLE-CT: 150 ppm
Diacetone alcohol 123-42-2	TWA/VLE-PPT: 50 ppm
Propylene glycol monomethyl ether 107-98-2	TWA/VLE-PPT: 100 ppm STEL/VLE-CT: 150 ppm
2-Butoxyethanol 111-76-2	TWA/VLE-PPT: 20 ppm

Appropriate engineering controls

Engineering Measures

Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Wear safety glasses with side shields (or goggles). If splashes are likely to occur: Wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.
Skin Protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Hand Protection	Chemical resistant protective gloves. Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time): eg. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers. Taking into account the varying conditions, the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Due to different glove types, the manufacturer's directions for use should be observed. Replace gloves immediately when torn or any change in appearance is noticed such as dimension, color, flexibility.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid	Appearance	Colored
Odor	Characteristic	Odor threshold	No information available

Property	Values	Remarks • Method
pH	No data available	None known
pH (as aqueous solution)		None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	> 149 °C / 300 °F	None known
Flash point	52 °C / 125 °F	Setaflash closed cup
Evaporation rate	No data available	None known
Flammability	No information available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	1.54	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known

Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing Properties	No data available	

Other information

Photochemically Reactive	No
Weight Per Gallon (lbs/gal)	12.84

VOC by weight % (less water)	VOC by volume % (less water)	VOC lbs/gal (less water)	VOC grams/liter (less water)
24.30	35.74	3.12	374.42

10. STABILITY AND REACTIVITY**Reactivity**

No information available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO₂). Carbon monoxide.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation	Specific test data for the substance or mixture is not available.
Eye Contact	Specific test data for the substance or mixture is not available.
Skin Contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Chemical name	Oral LD50
Titanium dioxide 13463-67-7	> 2000 mg/kg (Rat)
Dipropylene glycol monomethyl ether 34590-94-8	= 5.35 g/kg (Rat)
Diacetone alcohol 123-42-2	> 4 g/kg (Rat)
Propylene glycol monomethyl ether 107-98-2	= 5000 mg/kg (Rat)
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)
Silicon dioxide, amorphous 7631-86-9	= 7900 mg/kg (Rat)
Additive	> 2000 mg/kg (Rat)
Trimethylolpropane 77-99-6	= 14100 mg/kg (Rat)

Chemical name	Dermal LD50
Dipropylene glycol monomethyl ether 34590-94-8	= 9500 mg/kg (Rabbit)
Diacetone alcohol 123-42-2	= 13630 mg/kg (Rabbit)
Propylene glycol monomethyl ether 107-98-2	= 13 g/kg (Rabbit)
2-Butoxyethanol 111-76-2	> 2000 mg/kg (Rabbit)
Silicon dioxide, amorphous 7631-86-9	> 5000 mg/kg (Rabbit)
Additive	> 2000 mg/kg (Rabbit)
Trimethylolpropane 77-99-6	> 10000 mg/kg (Rabbit)

Chemical name	Inhalation LC50
Titanium dioxide 13463-67-7	> 5.09 mg/L (Rat) 4 h
Diacetone alcohol 123-42-2	> 7.6 mg/L (Rat) 4 h
Propylene glycol monomethyl ether 107-98-2	> 7559 ppm (Rat) 6 h
2-Butoxyethanol 111-76-2	= 450 ppm (Rat) 4 h = 486 ppm (Rat) 4 h
Silicon dioxide, amorphous 7631-86-9	> 5.01 mg/L (Rat) 4 h
Additive	> 5.3 mg/L (Rat) 6 h
Trimethylolpropane 77-99-6	> 0.85 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Specific test data for the substance or mixture is not available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Specific test data for the substance or mixture is not available.
Eye damage/irritation Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components).
Irritation Specific test data for the substance or mixture is not available.
Corrosivity Specific test data for the substance or mixture is not available.
Sensitization Specific test data for the substance or mixture is not available. May cause an allergic skin reaction. (based on components).
Mutagenic Effects Specific test data for the substance or mixture is not available.
Carcinogenic effects Specific test data for the substance or mixture is not available.
Reproductive Effects Specific test data for the substance or mixture is not available.
STOT - single exposure Specific test data for the substance or mixture is not available.
STOT - repeated exposure Specific test data for the substance or mixture is not available.
Chronic Toxicity Specific test data for the substance or mixture is not available.
Aspiration hazard Specific test data for the substance or mixture is not available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH
Titanium dioxide 13463-67-7	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Propylene glycol monomethyl ether 107-98-2	A4 - Not Classifiable as a Human Carcinogen
2-Butoxyethanol 111-76-2	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

Chemical name	IARC
Titanium dioxide	Group 2B - Possibly carcinogenic to humans

13463-67-7	
2-Butoxyethanol 111-76-2	Group 3 - Unclassifiable as to carcinogenicity in humans
Silicon dioxide, amorphous 7631-86-9	Group 3 - Unclassifiable as to carcinogenicity in humans

Chemical name	OSHA
Titanium dioxide 13463-67-7	Present

Numerical measures of toxicity - Product Information

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	18,431.40 mg/kg
ATEmix (dermal)	99,999.00 mg/kg
ATEmix (inhalation-gas)	99,999.00
ATEmix (inhalation-dust/mist)	19.60 mg/l
ATEmix (inhalation-vapor)	117.60 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Specific test data for the substance or mixture is not available.

39.56 % of the mixture consists of ingredient(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants
Silicon dioxide, amorphous 7631-86-9	EC50: =440mg/L (72h, Pseudokirchneriella subcapitata)

Chemical name	Fish
Dipropylene glycol monomethyl ether 34590-94-8	LC50: >10000mg/L (96h, Pimephales promelas)
Diacetone alcohol 123-42-2	LC50: =420mg/L (96h, Lepomis macrochirus)
Propylene glycol monomethyl ether 107-98-2	LC50: =20.8g/L (96h, Pimephales promelas)
2-Butoxyethanol 111-76-2	LC50: =1490mg/L (96h, Lepomis macrochirus) LC50: =2950mg/L (96h, Lepomis macrochirus)
Silicon dioxide, amorphous 7631-86-9	LC50: =5000mg/L (96h, Brachydanio rerio)
Additive	LC50: >1.55mg/L (96h, Pimephales promelas)

Chemical name	Crustacea
Dipropylene glycol monomethyl ether 34590-94-8	LC50: =1919mg/L (48h, Daphnia magna)
Propylene glycol monomethyl ether 107-98-2	EC50: =23300mg/L (48h, Daphnia magna)
2-Butoxyethanol 111-76-2	EC50: >1000mg/L (48h, Daphnia magna)
Silicon dioxide, amorphous 7631-86-9	EC50: =7600mg/L (48h, Ceriodaphnia dubia)
Additive	EC50: >1.46mg/L (48h, Daphnia magna)
Trimethylolpropane 77-99-6	EC50: =13000mg/L (48h, Daphnia species) EC50: 10330 - 16360mg/L (48h, Daphnia magna)

Persistence and degradability

No information available.

Bioaccumulation

Chemical name	Partition coefficient
Dipropylene glycol monomethyl ether 34590-94-8	0.35
Diacetone alcohol 123-42-2	1.03
Propylene glycol monomethyl ether 107-98-2	1
2-Butoxyethanol 111-76-2	0.81
Trimethylolpropane 77-99-6	-0.47

13. DISPOSAL CONSIDERATIONS**Disposal methods****Waste Disposal Methods**

Contain and dispose of waste according to local regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION**Note:**

This information is not intended to convey all specific transportation requirements relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation information can be found in the specific regulations for your mode of transportation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

DOT

In the U.S. and Canada, this material may be reclassified as a combustible liquid and is not regulated, via surface transportation, in containers less than 119 gallons or 450 liters [per 49 CFR 173.150 (f)] [per Transportation of Dangerous Goods Regulations/Clear Language Part 1.33].

UN number or ID number
Proper shipping name
Transport hazard class(es)
Packing group

UN1210
Printing Ink
3
III

ICAO / IATA / IMDG / IMO

UN number or ID number
UN proper shipping name
Transport hazard class(es)
Packing group

UN1210
Printing Ink
3
III

15. REGULATORY INFORMATION**International Inventories**

All substances are listed as ACTIVE on the TSCA Inventory. For further information, please contact:.. Supplier (manufacturer/importer/downstream user/distributor).

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	CAS No.	Weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol	111-76-2	1 - 5	1.0

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

US State Regulations

Chemical name	Massachusetts
Titanium dioxide 13463-67-7	X
Dipropylene glycol monomethyl ether 34590-94-8	X
Diacetone alcohol 123-42-2	X
Propylene glycol monomethyl ether 107-98-2	X
2-Butoxyethanol 111-76-2	X
Silicon dioxide, amorphous 7631-86-9	X

Chemical name	Minnesota Right To Know
Titanium dioxide 13463-67-7	X
Dipropylene glycol monomethyl ether 34590-94-8	X
Diacetone alcohol 123-42-2	X
Propylene glycol monomethyl ether 107-98-2	X
2-Butoxyethanol 111-76-2	X
Silicon dioxide, amorphous 7631-86-9	X

Chemical name	New Jersey
Titanium dioxide 13463-67-7	X
Dipropylene glycol monomethyl ether 34590-94-8	X
Diacetone alcohol 123-42-2	X
Propylene glycol monomethyl ether 107-98-2	X
2-Butoxyethanol 111-76-2	X

California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

Chemical name	California Proposition 65
Titanium dioxide	Carcinogen

This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product.

Canada

Chemical name	NPRI - National Pollutant Release Inventory
Dipropylene glycol monomethyl ether 34590-94-8	Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements (NPRI Substance Identifier 45; total of CAS 112-07-2, CAS 112-15-2, CAS 112-25-4, CAS 112-34-5, CAS 5131-66-8, CAS 107-98-2, CAS 109-59-1, CAS 111-90-0, CAS 124-17-4, CAS 1569-01-3, CAS 1569-02-4, CAS 2807-30-9, CAS 29911-27-1, CAS 29911-28-2, CAS 34590-94-8, CAS 54839-24-6, CAS 623-84-7, CAS 88917-22-0 and their isomers, 470, listed under Other Glycol ethers and acetates (and their isomers))
Propylene glycol monomethyl ether 107-98-2	Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements (NPRI Substance Identifier 45; total of CAS 112-07-2, CAS 112-15-2, CAS 112-25-4, CAS 112-34-5, CAS 5131-66-8, CAS 107-98-2, CAS 109-59-1, CAS 111-90-0, CAS 124-17-4, CAS 1569-01-3, CAS 1569-02-4, CAS 2807-30-9, CAS 29911-27-1, CAS 29911-28-2, CAS 34590-94-8, CAS 54839-24-6, CAS 623-84-7, CAS 88917-22-0 and their isomers, 470, listed under Other Glycol ethers and acetates (and their isomers))
2-Butoxyethanol 111-76-2	Part 1, Group A Substance (025); Part 5 Substance - Volatile Organic Compounds with Additional Reporting Requirements (436)

16. OTHER INFORMATION**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation
+	Sensitizers		

ACGIH: (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen

A2 - Suspected human carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

Reasonably Anticipated to be a Human Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

Revision date

Apr-22-2026

Pursuant to NOM-018-STPS-2015

This information within is considered correct but is not exhaustive and will be used for guidance only, which is based on the current knowledge of the substance or mixture and is applicable to the appropriate safety precautions for the product.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet