SAFETY DATA SHEET.

Issuing date 28-Apr-2017 Revision Date 02-May-2018 Version 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name 4524 INTER-TEX WHITE CHIP GUARD

Recommended use of the chemical

and restrictions on use

Product code 4524

Product Type Extremely Flammable Aerosol

Synonyms None

Supplier's details

Recommended Use Chip Guard.

Uses advised against No information available

Manufacturer:

International Epoxies & Sealers

P.O. Box 185

San Antonio, FL 33576 Phone: 1-800-451-7206

Emergency telephone number

Chemical Emergency PhoneINFOTRAC: 1-800-535-5053 (NORTH AMERICA)NumberINFOTRAC: 1-352-323-3500 (INTERNATIONAL)

2. HAZARDS IDENTIFICATION

Classification

Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

GHS Label elements, including precautionary statements

Emergency Overview

DANGER

Hazard Statements

Causes serious eye irritation

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

May cause respiratory irritation. May cause drowsiness or dizziness.

May cause damage to organs (Central Nervous System,Eyes, Kidneys,Liver,Respiratory System, and Skin) through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

Extremely Flammable Aerosol

Contains gas under pressure; may explode if heated



Appearance Opaque Physical state Aerosol Odor Solvent

Precautionary Statements - Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash face, hands and any exposed skin thoroughly after handling.

Do not breathe dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area

Keep away from heat/sparks/open flames/hot surfaces.-No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention.

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

If eye irritation persists: Get medical advice/attention

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

Call a POISON CENTER or doctor/physician if you feel unwell

IF SWALLOWED: Immediately call a POISON CENTER /doctor/physician

Do NOT induce vomiting.

4524 INTER-TEX WHITE CHIP GUARD

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None

Other information

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %*
2-BUTANONE	78-93-3	15-25
DIMETHYLETHER	115-10-6	10-20
TOLUENE	108-88-3	10-20
CALCIUM CARBONATE	1317-65-3	10-20
BUTYL ACETATE	123-86-4	1-10
TITANIUM DIOXIDE	13463-67-7	1-10

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

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.

Eye contact Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove

any contact lenses and continue flushing. If eye irritation persists, consult a doctor.

Skin contact Wash off with soap and plenty of water. Remove and wash contaminated clothing before

re-use. If skin irritation persists, call a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped,

contact emergency medical services immediately.

Ingestion Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Never

give anything by mouth to an unconscious person. Risk of product entering the lungs on

vomiting after ingestion.

Most important symptoms/effects, acute and delayed

Main Symptoms Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility

or the unborn child. May cause respiratory irritation or cause drowsiness and dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if

swallowed and enters airways.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog. Dry chemical. Foam. Carbon dioxide (CO2), Cool containers/tanks with water spray. Water fog. Carbon Dioxide (CO2), Foam, Dry Chemical. Cool Tanks/ containers with water spray. Water fog. Dry chemical. Carbon dioxide (CO2). Cool containers / tanks with water spray. Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam. Foam.

Unsuitable Extinguishing Media Keep away from sources of ignition - No smoking. Cool containers / tanks with water spray. Do not use a solid water stream as it may scatter and spread fire. . Do not smoke. Remove all sources of ignition.

Specific hazards arising from the chemical

Extremely Flammable / Flammable. Keep product and empty container away from heat and sources of ignition. Risk of ignition. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Flammable, Keep product and empty container away from heat and sources of ignition.

Explosion Data

Sensitivity to Mechanical Impact none. Sensitivity to Static Discharge

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. Use shielding to protect fire-fighters from bursting containers. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use with adequate ventiliation to keep the exposure levels below the OELS. Follow safe Personal precautions

handling advice and personal protective equipment recommendations.

Environmental precautions

Environmental precautions Vapors can accumulate in low areas. Report spills as required by local and federal

> regulations. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Methods and materials for containment and cleaning up

Absorb with earth, sand or other non-combustible material and transfer to containers for **Methods for Containment**

later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to

contaminate ground water system. Prevent product from entering drains.

Methods for cleaning up Soak up with inert absorbent material. Contain liquid and collect with an inter,

> non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly . After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Keep away

from open flames, hot surfaces and sources of ignition. Contents under pressure, Do not puncture or incinerate cans. Handle in accordance with good industrial hygiene and safety

practice. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Revision Date 02-May-2018

Technical measures/Storage Keep container tightly closed in a dry and well-ventilated place. Keep away from open

conditions

flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out

of the reach of children. Store locked up.

Incompatible products Strong acids, alkalis, oxidizing agents.

Aerosol Level 2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-BUTANONE 78-93-3	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m³ (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m³ (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m³	IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m³ STEL: 300 ppm STEL: 885 mg/m³
DIMETHYLETHER 115-10-6	STEL: 500 PPM TWA: 400PPM	TWX: 400 PPM TWA: 1200 mg/m ³	IDLH: 1900 PPM (10 % LEL)
TOLUENE 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m³ Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m³ STEL: 150 ppm STEL: 560 mg/m³
CALCIUM CARBONATE 1317-65-3	-	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
BUTYL ACETATE 123-86-4	STEL: 150 ppm TWA: 50 ppm	TWA: 150 ppm TWA: 710 mg/m³ (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m³ (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m³	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m³ STEL: 200 ppm STEL: 950 mg/m³
TITANIUM DIOXIDE 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m ³

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration) NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Exposure controls

Engineering MeasuresVentilation systems. Use adequate ventilation to keep the exposure levels below the

occupational exposure limits. Showers. Eyewash stations. Showers, eyewash stations, and

ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin and body protection Chemical resistant apron. Protective gloves.

4524 INTER-TEX WHITE CHIP GUARD

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

Hygiene measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area

and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Avoid breathing

Not applicable

vapors, mist or gas. Wear personal protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state Aerosol

AppearanceOpaqueOdorSolvent

Color White Odor Threshold

<u>Property</u> <u>Values</u> <u>Remarks • Methods</u>

pH No information available
Melting/freezing point No information available

Boiling point/boiling range

Flash Point -41 °C / -42 °F Based on propellant

No information available

Evaporation rate No information available Flammability (solid, gas) No information available

Flammability Limits in Air upper flammability limit lower flammability limit

lower flammability I Vapor pressure Vapor density

Specific Gravity 1.02

Water solubility No information available

Partition coefficient: n-octanol/water

Autoignition temperature

Decomposition temperature

Viscosity No information available

Explosive properties

Other information

VOC Content(%) 59.19

10. STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible Materials

Strong acids, alkalis, oxidizing agents.

Hazardous Decomposition Products

Carbon oxides, Hydrocarbons, Fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation May cause respiratory irritation. May cause drowsiness or dizziness.

Eye contact Causes serious eye irritation.

Skin contact Skin irritation may occur if person excessively exposes product to the skin.

Ingestion May be fatal if swallowed and enters airways.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-BUTANONE 78-93-3	= 2483 mg/kg (Rat)	= 5000 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
DIMETHYLETHER 115-10-6	-	-	= 308.5 mg/L (Rat) 4 h
TOLUENE 108-88-3	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
BUTYL ACETATE 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
TITANIUM DIOXIDE 13463-67-7	> 10000 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms Causes serious eye irritation. Suspected of causing cancer. Suspected of damaging fertility

or the unborn child. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs (listed below) through prolonged or repeated exposure. May

be fatal if swallowed and enters airways.

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

Skin corrosion/irritation Under normal conditions there is no skin irritation. Excessive exposure of product with skin

may cause skin irritation.

Eye damage/irritationIrritating to eyes.SensitizationNot a known sensitizer.Germ Cell MutagenicityNot a germ cell mutagen.

Carcinogenicity The table below indicates whether each agency has evaluated a listed ingredient as a

carcinogen.

	04.0090			
Chemical Name	ACGIH	IARC	NTP	OSHA
TOLUENE	-	Group 3	-	-
108-88-3				
TITANIUM DIOXIDE	-	2B	-	-
13463-67-7				

IARC: (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive toxicity Specific target organ systemic

toxicity (single exposure)
Specific target organ systemic
toxicity (repeated exposure)

Product is or contains a chemical which is a known or suspected reproductive hazard.

 $\label{eq:may-cause} \mbox{May cause respiratory irritation. May cause drowsiness and dizziness.}$

May cause damage to target organs listed below through prolonged and repeated

exposure.

Chronic toxicity Intentional misuse by deliberately concentrating and inhaling contents may be harmful or

fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and

potential cardiac arrest.

Target Organ Effects Eyes, Skin, Liver, Kidneys, Respiratory System, Central Nervous System.

Neurological effects Intentional misuse by deliberately concentrating and inhaling contents may be harmful or

atal.

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (dermal) 14818 mg/kg
ATEmix (inhalation-gas) 127174 mg/l
ATEmix (inhalation-dust/mist) 259.3 mg/l
ATEmix (inhalation-vapor) 16181 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to	Toxicity to daphnia and
			microorganisms	other aquatic invertebrates
2-BUTANONE	-	3130 - 3320 mg/L LC50	-	520 mg/L EC50 Daphnia
78-93-3		Pimephales promelas 96h		magna 48h 5091 mg/L EC50
		flow-through		Daphnia magna 48h 4025 -
				6440 mg/L EC50 Daphnia
				magna 48h Static
TOLUENE	433 mg/L EC50	15.22 - 19.05 mg/L LC50	-	5.46 - 9.83 mg/L EC50
108-88-3	Pseudokirchneriella	Pimephales promelas 96h		Daphnia magna 48h Static
	subcapitata 96h 12.5 mg/L	flow-through 12.6 mg/L LC50		11.5 mg/L EC50 Daphnia
	EC50 Pseudokirchneriella	Pimephales promelas 96h		magna 48h
	subcapitata 72h static	static 5.89 - 7.81 mg/L LC50		
		Oncorhynchus mykiss 96h		
		flow-through 14.1 - 17.16		
		mg/L LC50 Oncorhynchus		
		mykiss 96h static 5.8 mg/L		
		LC50 Oncorhynchus mykiss		
		96h semi-static 11.0 - 15.0		
		mg/L LC50 Lepomis		
		macrochirus 96h static 54		
		mg/L LC50 Oryzias latipes		
		96h static 28.2 mg/L LC50		
		Poecilia reticulata 96h		
		semi-static 50.87 - 70.34		
		mg/L LC50 Poecilia		
		reticulata 96h static		
BUTYL ACETATE	674.7 mg/L EC50	100 mg/L LC50 Lepomis	-	-
123-86-4	Desmodesmus subspicatus	macrochirus 96h static 17 -		
	72h	19 mg/L LC50 Pimephales		
		promelas 96h flow-through		

Persistence and degradability

.

Bioaccumulation

Chemical Name	log Pow
2-BUTANONE	0.3
78-93-3	
DIMETHYLETHER	-0.18
115-10-6	

4524 INTER-TEX WHITE CHIP GUARD

TOLUENE 108-88-3	2.7
BUTYL ACETATE 123-86-4	1.81

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261). Dispose of in accordance with federal, state, and local regulations. Dispose of in accordance with federal, state, and local regulations. Dispose of contents/container in

accordance with local regulation.

Contaminated packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Ground CONSUMER COMMODITY ORM-D

or

LIMITED QUANTITY

IATA UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD.QTY.

IMDG UN1950, AEROSOLS, 2.1, LTD. QTY.

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
2-BUTANONE	X	Х	Х	Х	Х	Х	Х	Х
DIMETHYLETHER	Х	Х	Х	Х	Х	Х	Х	Х
TOLUENE	Х	Х	Х	Х	Х	Х	Х	Х
CALCIUM CARBONATE	Х	Х	Х	Х	Х	Х	Х	Х
BUTYL ACETATE	Х	Х	Х	Х	Х	Х	Х	Х
TITANIUM DIOXIDE	Х	Х	Х	Х	Х	Х	Х	Х

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

CHINA - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain 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 %
TOLUENE - 108-88-3	108-88-3	16.8718	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Star Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

Clean Water Act

This product does contain the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
TOLUENE 108-88-3	1000 lb	X	X	Х
BUTYL ACETATE 123-86-4	5000 lb			Х

CERCLA

This material, as supplied, does contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
2-BUTANONE 78-93-3	5000 lb	ives	RQ 5000 lb final RQ RQ 2270 kg final RQ
TOLUENE 108-88-3	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
BUTYL ACETATE 123-86-4	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Titanium Dioxide, (CAS # 13463-67-7), must be airborne, unbound, and of a particle size < 10 micrometers in diameter to be considered a Proposition 65 chemical. For this product, Titanium Dioxide is bound in the product and no inhalation exposure will occur during the handling or use of this product in this application.



This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Chemical Name	California Prop. 65	
TOLUENE - 108-88-3	Developmental 10-20%	

TITANIUM DIOXIDE - 13463-67-7	Cancer 1-10%

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-BUTANONE 78-93-3	X	X	X
DIMETHYLETHER 115-10-6	X	X	X
TOLUENE 108-88-3	X	X	X
CALCIUM CARBONATE 1317-65-3	X	X	X
BUTYL ACETATE 123-86-4	X	Х	X
TITANIUM DIOXIDE 13463-67-7	X	X	X

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Hazard Class

A Compressed gases B5 Flammable aerosol D2B Toxic materials

16. OTHER INFORMATION

NFPA Health Hazard 2 Flammability 4 Instability 0 Physical and chemical

hazards -

HMIS Health Hazard 2* Flammability 4 Physical Hazard 1 Personal protection B
Chronic Hazard Star Legend Repeated or prolonged exposure may cause central nervous system damage Chronic Health Star

. Hazard

Prepared By International Epoxies & Sealers

30241 Commerce Drive San Antonio, FI 33576 Tel.734-721-5930

Issuing date28-Apr-2017Revision Date02-May-2018

Revision Note

(M)SDS sections updated 15

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet