Safety Data Sheet

Revision Date 19-Apr-2023

1. IDENTIFICATION

Product Identifier

Product Name T1471

Other means of identification

Product code IC37-54699-013
UN/ID no UN1950
SKU(s) None

Recommended use of the chemical and restrictions on use

Recommended Use No information available
Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer Address
Diamond Vogel
1020 Albany Place SE
Orange City, IA 51041
Phone: (712) 737-4993
Fax: (712) 737-4997

Emergency telephone number

Emergency Telephone Infotrac 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910. 1200)

Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Specific target organ toxicity (single expose)	Category 3
Flammable aerosols	Category 1

Gasses under pressure	Liquefied gas

Emergency Overview

Danger

Hazard statements
Causes serious eye irritation
May cause genetic defects, may cause cancer, may cause respiratory irritation.
May cause drowsiness or dizziness
Extremely flammable aerosol
Contains gas under pressure; may explode if heated

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in well ventilated area

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Removes contact lenses, if present and easy to do.
Continue rinsing, if eye irritation persists: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements - Storage
Store in a well-ventilated place, Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC) Other Information
May be harmful if swallowed - Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Isopropyl Alcohol	67-63-0	40-70	*
Propane	74-98-6	10-30	*
Butane	106-97-8	5-10	*
Titanium Dioxide	13463-67-7	3-7	*
Mica	12001-26-2	1-5	*

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

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes,lifting eyelids. Consult a physician
Skin contact Wash skin with soap and water
Inhalation If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be ineffective.

Specific hazards arising from the chemical

Extremely flammable.

Explosion data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and clean up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick a pin or any other sharp object into the opening on top of the can.

Conditions for safe storage, including any incompatibility

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidizing agents. Acids. Chlorinated compounds.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m^3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m3 (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m^3	IDLH: 2000 ppm TWA: 400 ppm TWA:980 mg/m^3 STEL: 500 ppm STEL: 1225 mg/m^3
Propane 74-98-6	See Appendix F: Menial Oxygen Content, explosion hazard	TWA: 1000 ppm TWA: 1800 mg/m^3 (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m3	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m^3
Butane 106-97-8	STEL: 1000 ppm explosion hazard	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m^3	IDLH: 1600 ppm TWA: 800 ppm TWA: 1900 mg/m^3
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	TWA: 15 mg/m^3 total dust TWA:5 mg/m^3 respirable fraction	IDLH: 5000 mg/m^3 TWA: 2.4 mg/m^3 CIB 63 fine TWA: 0.3 mg/m^3 CIB 63 ultrafine, including engineered nanoscale
Mica 12001-26-2	TWA: 0.1 mg/m^3 respirable particulate matter	(vacated) TWA: 3 mg/m^3 respirable dust <1% Crystalline silica TWA: 20 mppcf <1% Crystalline silica	IDLH: 1500 mg/m^3 TWA: 3 mg/m^3 containing <1% Quartz respirable dust

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Appropriate engineering controls

Engineering Controls Showers, Eyewash stations, Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special technical protective measures are necessary.

Skin and body protection No special technical protective measures are necessary.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved 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.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Aerosol

Property	**Values**		
pH	No information available		
Melting point/freezing point	No information available		
Boiling point/ boiling range	>+ -42 °C / -43 °F		
Flash point	-104 °C / -156 °F	**Odor**	No information available
Evaporation rate	No information available	**Odor**	No information available
Flammability (solid, gas)	No information available		
Flammability Limit in Air		**Remarks * Method**	
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available	**Vapor density**	No information available
Specific Gravity	0.76	**Water solubility**	No information available
Solubility in other solvents	No information available	**Partition coefficient**	No information available
Autoignition temperature	No information available	**Decomposition Temperature**	No information available
Kinematic viscosity	No information available	**Dynamic viscosity**	No information available
Explosive properties	No information available	**Oxidizing properties**	No information available

Other information

Softening point	No information available	**Molecular weight**	No information available
Liquid density	6.33 lbs/gal	**Bulk density**	No information available
Percent solids by weight	9.4%	**Percent volatile by weight**	No information available
Percent solids by volume	0.0%	**Actual VOC (lbs/gal)**	5.7
Actual VOC (grams/liters)	686.7	**EPA VOC (lbs/gal)**	5.7
EPA VOC (grams/liter)	686.7	**EPA VOC (lb/gal solids)**	0

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Strong oxidizing agents. Acids. Chlorinated compounds.

Hazardous decomposition products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	No data available	**Eye contact**	No data available
Inhalation	No data available	**Skin contact**	No data available
Ingestion	No data available		

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 97-63-0	=1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	>10000 ppm (Rat)6h
Propane 74-98-6	-	-	>800000 ppm (Rat) 15 min
Butane 106-97-8	-	-	=658 g/m^3 (Rat) 4 h
Titanium dioxide 13463-67-7	>10000 mg/kg (Rat)	-	=5.09 mg/L (Rat) 4 h
Mica 12001-26-2	>16000 mg/kg (Rat	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

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

Sensitization	No information available	**Germ cell mutagenicity**	No information available
Carcinogenicity	No information available		

Chemical name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0	-	Group 3	-	X
Titanium Dioxide 13463-67-7	A3	Group 2B	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not classifiable as a human carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity

STOT - single exposure

STOT - repeated exposure

Target organ effects

Aspiration hazard

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

9.37% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustaces
Isopropyl Alcohol 67-63-0	1000: 72 h Desmodesmus Subspicatus mg/L EC50 1000: 96 h Desmodesmus subspicatus mg/L EC50	11130: 96 h Pimephales promelas mg/L LC50 flow-through 1400000: 96 h lepomis macrochirus µg/L LC50	13299: 48 h Daphnie magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Isopropyl Alcohol 67-63-0	0.05 (0.61)
Propane 74-98-6	1.09 (0.49)
Butane 106-97-8	2.31 (1.15)

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of waste Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse containers.

14. TRANSPORT INFORMATION

DOT

UN/ID NO UN1950

Proper shipping name Aerosols

Hazard class	2.1
Description	UN1950, Aerosols, 2.1
Emergency Response Guide	126

TDG

UN/ID no	UN1950
Proper shipping name	Aerosols
Hazard class	2.1
Description	UN1950, Aerosols, 2.1

MEX

UN/ID no	UN1950
Proper shipping name	Aerosols
Hazard class	2
Description	UN1950, Aerosols, 2.1

ICAO (air)

UN/ID no	UN1950
Proper shipping name	Aerosols
Hazard class	2.1
Special Provisions	A145, A167
Description	UN1950, Aerosols, 2.1

IATA

UN/ID no	UN1950
Proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
ERG Code	10L
Special Provisions	A145, A167, A802
Description	UN1950, Aerosols, flammable, 2.1

IMDG

UN Number	UN1950
UN proper shipping name	Aerosols
Transport hazard class(es)	2
EmS-No	F-D, S-U
Special Provisions	63, 190, 277, 327, 344, 959

RID

UN/ID no	UN1950
Proper shipping name	Aerosols
Transport hazard class(es)	2.1
Classification code	5F
Description	UN1950, Aerosols, 2.1

ADR

UN Number	UN1950
Proper shipping name	Aerosols
Transport hazard class(es)	2.1
Classification code	5F
Tunnel restriction code	(D)
Special Provisions	190, 327, 344, 625
Description	UN1950, Aerosols, 2.1, (D)
Labels	2.1

ADN

Proper shipping name	Aerosols
Transport hazard class(es)	2.1
Classification code	5F
Special Provisions	190, 327, 344, 625
Description	UN1950, Aerosols, 2.1
Hazard label(s)	2.1

Limited quantity (LQ)	1L
Ventilation	VE01, VE04

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies*

* This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

Legend:

TSCA - United States Toxic Substance Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List?Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title lll 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	SARA 313 - Threshold Values %
Isopropyl Alcohol - 67-63-0	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
Titanium dioxide - 13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts
Isopropyl Alcohol 67-63-0	X	X
Propane 74-98-6	X	X

Butane 106-97-8	X	X
Titanium dioxide 13463-67-7	X	X
Mica 12001-26-2	X	X

Chemical name	Pennsylvania
Isopropyl Alcohol 67-63-0	X
Propane 74-98-6	X
Butane 106-97-8	X
Titanium dioxide 13463-67-7	X
Mica 12001-26-2	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

This product contains no Hazardous Air Pollutants individually at 1% by weight, or greater.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA Health hazards 2 Flammability 4 Instability 0 Physical and chemical properties -

HIMS Health hazards 2* Flammability 4 Physical hazards 0 Personal protection X

Chronic Hazard Star Legend * = *Chronic Health Hazard*

Revision Date 19-Apr-2023

Revision Note

No information available

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, transformation, 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. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes

no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

End of Safety Data Sheet