SAFETY DATA SHEET

PROTEK13 COATING

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

1. PRODUCT IDENTIFICATION

1.1 TRADE NAME (AS LABELED):	**PROTEK13 COATING**
SYNONYMS:	Calcium Carbonate/Adhesive Coating
CAS#:	Not Applicable
1.2 PRODUCT USE:	Surface Coating
1.3 MANUFACTURER'S NAME (North America):	**International Cellulose Corporation**
ADDRESS:	12315 Robin Boulevard, Houston, TX 77045
BUSINESS PHONE#:	1-713-433-6701 1-800-444-1252 (U.S./Canada Only)
EMERGENCY PHONE#:	1-713-433-6701 7 AM–6 PM (CST)
WEBSITE:	www.spray-on.com
EMAIL:	icc@spray-on.com
1.4 PREPARATION INFORMATION:	
DATE OF CURRENT REVISION:	May 11, 2015
DATE OF LAST REVISION:	March 18, 2010

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a white, odorless, liquid coating.

Health Hazards: This product may cause chemical and mechanical irritation to contaminated tissues.

Flammability Hazards: This product has fire retardants in it to prevent or delay combustion. As supplied, this product is not combustible. **Reactivity Hazards:** Negligible.

Environmental Hazards: 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
Non-Regulated Material

CANADA (WHMIS) SYMBOLS
Complies with WHMIS 2015

EUROPEAN and (GHS) Hazard Symbols

Signal Word: **Danger**

2.1 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.

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex VI

EC# 233-139-2 This substance is classified in the Annex VI of Directive 67/548/EEC Index: 005-007-00-2
EC# 265-169-7 This substance is classified in the Annex VI of Directive 67/548/EEC Index: 649-474-00-6
Severely Hydrotreated with less than 3 % DMSO extract as measured by IP 346
EC# 236-675-5 This substance is not classified in the Annex VI of Directive 67/548/EEC
CAS# 26337-27-9 This substance is not classified in the Annex VI of Directive 67/548/EEC
CAS# 26337-27-9 This substance is not classified in the Annex VI of Directive 67/548/EEC
EC# 232-674-9 This substance is not classified in the Annex VI of Directive 67/548/EEC
EC# 215-279-6 This substance is not classified in the Annex VI of Directive 67/548/EEC
Substances not listed either individually or in group entries must be self classified.

Component(s) Contributing to Classification(s)

Boric Acid, Petroleum Hydrocarbon

2.2 LABEL ELEMENTS:

GHS Hazard Classification(s):
Reproductive Toxin Category 1B (H360FD)

Hazard Statement(s):
H360 May damage fertility or the unborn child

Precautionary Statement(s):
P271 Use only in well ventilated area.
P281 Use personal protective equipment as required.
P314 Get medical advice/attention if you feel unwell.

2.3 HEALTH HAZARDS OR RISKS FROM EXPOSURE:

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of overexposure for this product are by inhalation of fibers or particulates. May be a mechanical irritant when in contact with skin or eyes. The symptoms of overexposure are described in the following paragraphs.

ACUTE:

INHALATION: Inhalation of this material will cause irritation to nose, throat and respiratory tract.

CONTACT WITH SKIN: Skin contact with this material may cause moderate irritation.

EYE CONTACT: Eye contact with this material may cause moderate irritation.

INGESTION: Ingestion exposure may include nausea, vomiting, diarrhea, and other indications of gastro-intestinal distress.

CHRONIC: Repeated inhalation can produce varying degrees of respiratory irritation or lung damage.

TARGET ORGANS: Acute: Skin, eyes, respiratory system. **Chronic:** Contains Boric acid a suspected reproductive toxin.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	GHS Hazard Classification(s)
Boric Acid	0.1 – 0.9	10043-35-3	233-139-2	Reproductive Toxin Cat 1B
Petroleum Hydrocarbon	0.1 – 0.9	64742-65-0	265-169-7	H350 Carc Cat 1B See Note in Section 2
Titanium Dioxide	0.1 – 0.9	13463-67-7	236-675-5	Not Classified
Emulsion Copolymer	1.0 – 5.0	26337-27-9	Not Listed	Not Classified
Cellulose Fiber	1.0 – 5.0	9004-34-6	232-674-9	Not Classified
Calcium Carbonate	30.0 – 60.0	1317-65-3	215-279-6	Not Classified
Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).				

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR 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

4.1 DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT: If this product enters the eyes, open contaminated individual's eyes while under gently running water. Use sufficient force to open eyelids. Have contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. Contaminated individual should seek medical if irritation occurs.

SKIN CONTACT: If this product contaminates the skin, wash with soap and water after use or before eating or smoking. Remove exposed or contaminated clothing, taking care not to contaminate eyes. The contaminated individual should seek medical attention if any adverse effect occurs.

INHALATION: If breathing becomes difficult remove contaminated individual to fresh air. Seek immediate medical attention if breathing difficulties continue.

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: Skin and respiratory disorders, as well as conditions involving the "Target Organs" (see Section 3, Hazard Identification) may be aggravated by prolonged overexposures to this product.

4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

Exposure to this product may cause adverse health effects.

4.3 RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

5.1 FIRE EXTINGUISHING MATERIALS:

Use fire extinguishing methods below:

Water Spray: Yes	Carbon Dioxide: Yes
Foam: Yes	Dry Chemical: Yes
Halon: Yes	Other: Any "C" Class

5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS:

This product has fire retardants in it to prevent or delay combustion.

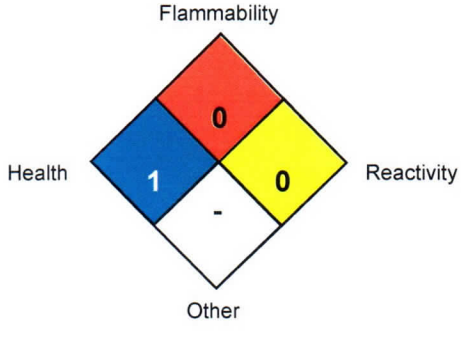
Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Not Sensitive

5.3 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)	1
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

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

See section 8.2 for Exposure Controls.

6.2 ENVIRONMENTAL PRECAUTIONS:

None known

6.3 SPILL AND LEAK RESPONSE:

Proper protective equipment should be used. Personnel should be trained for spill response operations.

Small Spills: Wear rubber gloves, safety glasses, and appropriate body protection. Sweep up spilled material. Avoid generating airborne dusts.

Large Spills: Trained personnel following pre-planned procedures should handle non-incidental releases. Minimum Personal Protective Equipment should be gloves, boots, safety glasses, and Tyvek suit. Sweep up or vacuum spilled material. Avoid generating airborne dusts. Prevent material from entering sewer or confined spaces, waterways, soil or public waters. Monitor area and confirm levels are bellow exposure limits given in Section 8 (Exposure Controls-Personal Protection), if applicable, before non-response personnel are allowed into the spill area.

Place all spill residue in an appropriate container and seal. Decontaminate the area thoroughly. Do not mix with wastes from other materials. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations). For spills on water, contain, minimize dispersion and collect. Dispose of recovered material and report spill per regulatory requirements.

7. HANDLING and STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Read instructions before use.

7.2 STORAGE AND HANDLING PRACTICES:

All employees who handle this material should be trained to handle it safely. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Do not incinerate empty or partially filled containers.

7.3 SPECIFIC USES:

Surface Coating

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

8.1 EXPOSURE PARAMETERS:

Chemical Name	CAS#	ACGIH TLV	OSHA TWA
Boric Acid	10043-35-3	2 mg/m³ as aerosol	Not applicable
Petroleum Hydrocarbon	64742-55-8	5 mg/m³ Oil Mist	5 mg/m³ Oil Mist
Titanium Dioxide	13463+-67-7	10 mg/m³	15 mg/m³ Total Dust
Emulsion Copolymer	26337-27-9	Not applicable	Not applicable
Paper Fiber	9004-34-6	10 mg/m³	15 mg/m³ Total Dust
Calcium Carbonate	1317-65-3	Not applicable	15 mg/m³ Total Dust

8.2 EXPOSURE CONTROLS:

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation, and process enclosure if necessary, to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: Respiratory protection is generally not needed for normal conditions of use. If necessary, 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. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under U.S. Federal OSHA's Respiratory Protection Standard (1910.134-1998) or the regulations of various U.S. States, Canada, EU Member States, or those of Japan. Air-purifying respirators with dust/mist/fume filters are recommended if operations may produce mists or sprays from this product.

EYE PROTECTION: Not needed during normal 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: Not needed during normal 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: Not needed during normal use. 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

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE (Physical State) and COLOR: This product is a white liquid

ODOR: None

ODOR THRESHOLD: Not Applicable

pH: Not Applicable
MELTING/FREEZING POINT: Not Applicable
BOILING POINT: Not Applicable
FLASH POINT: Not Applicable
EVAPORATION RATE (n-BuAc=1): Not Applicable
FLAMMABILITY (SOLID, GAS): Not Applicable
UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS: Not Applicable
VAPOR PRESSURE (mm Hg @ 20°C (68°F): Not Established
VAPOR DENSITY: Not Applicable
RELATIVE DENSITY: Not Applicable
DENSITY: Not Applicable
SPECIFIC GRAVITY: No Data (water=1)
SOLUBILITY IN WATER: Partially Soluble
WEIGHT PER GALLON: Not Applicable
PARTITION COEFFICENT (n-octanol/water): Not Applicable
AUTO-IGNITION TEMPERATURE: Not Applicable
DECOMPOSITION TEMPERATURE: Not Available
VISCOSITY: Not Applicable
VOC g/l / Lb/gal: Not Applicable

9.2 OTHER INFORMATION:
No additional information available.

10. STABILITY and REACTIVITY

10.1 REACTIVITY:
This product is not reactive.

10.2 STABILITY:
Stable under conditions of normal storage and use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:
Will not occur

10.4 CONDITIONS TO AVOID:
Extreme temperatures, incompatible materials.

10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:
This product is incompatible with acids, ammonium salts, mercury, hydrogen, fluorine, magnesium, and water reactive materials.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:
Combustion: This product has fire retardants in it to prevent or delay combustion.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

TOXICITY DATA: The specific toxicology data available for components greater than 1% in concentration are as follows.

Calcium Carbonate:
Skin irritancy (rabbit) = 500 mg/24 hours; moderate
Cellulose Fiber:
LC50 (Inhalation-rat)>5800 mg/m³/4 hours
LD50 (Oral-rat) >5 gm/kg
LD50 (Intraperitoneal-rat) >31,600 mg/kg
LD50 (Skin-rabbit)> 2gm/kg
BORIC ACID:
Skin Irritancy (human) = 15 mg/3 days/intermittent; Mild irritation effects
LDLo (oral, man) = 429 mg/kg; Cardiovascular effects, Systemic effects
LDLo (oral, woman) = 200 mg/kg
LDLo (oral, infant) = 934 mg/kg
LDLo (skin, infant) = 1200 mg/kg

SUSPECTED CANCER AGENT: The components of these products are listed by agencies tracking the carcinogenic potential of chemical compounds as follows:
PETROLEUM HYDROCARBON (HIGHLY REFINED) IARC-3 (Not Classifiable as to Carcinogenicity to Humans)
TITANIUM DIOXIDE: ACGIH TLV-A4 (Not Classifiable as a Human Carcinogen); IARC-2B (Possibly Carcinogenic to Humans)

IRRITANCY OF PRODUCT: Airborne dusts of this product can irritate eyes
SENSITIZATION TO THE PRODUCT: This product is not considered a sensitizer.
REPRODUCTIVE TOXICITY INFORMATION: Listed below is 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: Animal studies of Boric Acid component in the rat, mouse, and rabbit at high doses, demonstrated developmental effects on the fetus, including fetal weight loss and minor skeletal variations.
Reproductive Toxicity: Animal feeding studies of Sodium Borate in rat, mouse, and dog, at high doses, demonstrated effects on fertility and testes. An epidemiology study under conditions of normal occupational exposure to borate dusts (such as Sodium Borate) indicated no effect on fertility.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: None known
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: None known
ASPIRATION HAZARD: None

12. ECOLOGICAL INFORMATION

12.1 TOXICITY:
No toxicity data available.
12.2 PERSISTENCE AND DEGRADABILITY:
No specific data available on this product.
12.3 BIOACCUMULATIVE POTENTIAL:
No specific data available on this product.
12.4 MOBILITY IN SOIL:
These products have not been tested for mobility in soil.
12.5 RESULTS OF PBT ANDvPvB ASSESSMENT:
No specific data available on this product.
12.6 OTHER ADVERSE EFFECTS:
No specific data available on this product.
ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
12.7 WATER ENDANGERMENT CLASS:
Water endangering in accordance with EU Guideline 91/155-EWG. Not determined

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS:
Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.
13.2 EU Waste Code:
Not determined

14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:
U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

14.1 PROPER SHIPPING NAME:	Non-Regulated Material
14.2 HAZARD CLASS NUMBER and DESCRIPTION:	None
14.3 UN IDENTIFICATION NUMBER:	None
14.4 PACKING GROUP:	None
14.5 DOT LABEL(S) REQUIRED:	None
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER:	None
RQ QUANTITY:	None

14.6 MARINE POLLUTANT: None of the components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).
14.7 SPECIAL PRECAUTIONS FOR USER:
None known

14.8 INTERNATIONAL TRANSPORTION:

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is not considered as dangerous goods.

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is not considered as dangerous goods.

14.9 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE:

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

15. REGULATORY INFORMATION

15.1 UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The components of this article are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

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

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory or are exempted form listing.

OTHER U.S. FEDERAL REGULATIONS: None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): Ingredients within this article are not on the Proposition 65 Lists.

15.2 CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The raw materials used in this article are on the DSL Inventory, or are exempted from listing.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:

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

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Complies with WHMIS 2015

15.3 EUROPEAN ECONOMIC COMMUNITY INFORMATION:

This product does not meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

See Section 2 for full Details.

15.4 AUSTRALIAN INFORMATION FOR PRODUCT:

The raw materials used in this article are listed on the International Chemical Inventory list.

15.5 JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:

The components of this article are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

JAPANESE ENCS INVENTORY:

The raw materials used in this article are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW:

No component of this article is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.

15.6 INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the raw materials used in producing this article on individual country Chemical Inventories is as follows:

Asia-Pac: Listed

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory if Chemicals and Chemical Substances (PICCS): Listed

Swiss Giftliste List of Toxic Substances: Listed

U.S. TSCA: Listed

16. OTHER INFORMATION

PREPARED BY: Paul Eigbrett – (**GHS MSDS Compliance PLUS)**
DATE OF PRINTING: May 11, 2015

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END OF SDS SHEET