Safety Data Sheet DYLEK PS II, MM

Supercedes Date 02/26/2016 **Issuing Date** 08/01/2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name DYLEK PS II, MM
Recommended use Cleaning agent
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5600
Chemical nature alcohol solution
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless **Physical state** Liquid **Odor** Alcohol

GHS
Classification
Physical Hazards

Flammable Aerosols	Category 2
Gases under pressure	Liquefied gas

Health Hazard

Serious Eye Damage/Eye Irritation	Category 2A
Specific target organ systemic toxicity (single exposure)	Category 3

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H223 - Flammable aerosol
H336 - May cause drowsiness or dizziness
H319 - Causes serious eye irritation
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P261 - Avoid breathing vapors, mist or gas
P271 - Use in a well-ventilated area.
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a physician if unwell.
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 attention.
P403 - Store in a well-ventilated place
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
ETHANOL	64-17-5	60-100
Methyl acetate	79-20-9	10-30

Carbon dioxide	124-38-9	1-5

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

4. FIRST AID MEASURES

General advice Do not breathe vapors or spray mist. Do not get in eyes, on skin or on clothing.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.

Skin Contact Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists. Remove and wash contaminated clothing before re-use.

Inhalation If inhaled, remove to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.

Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth.

Notes to physician Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

5. FIRE-FIGHTING MEASURES

Flash Point 55 °F / 13 °C **Method** Seta closed cup

Flammability Limits in Air %: Solvent mixture. **Upper:** 36 **Lower:** 1.2

Suitable Extinguishing Media

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

Specific hazards arising from the chemical

Flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: 18 inches / 45 cm and Burnback: 6 inch / 15 cm.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

Aerosol Level (NFPA 30B) - 2

NFPA	**Health** 3	**Flammability** 4	**Instability** 0
HMIS	**Health** 3	**Flammability** 4	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Material can create slippery conditions. Take precautionary measures against static discharges.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Keep away from open flames, hot surfaces and sources of ignition. Do not breathe vapors or spray mist. Do not get in eyes, on skin or on clothing.

Storage Keep away from heat and sources of ignition. Keep in a dry, cool and well-ventilated place.

Storage Temperature **Minimum** 35 °F / 2 °C **Maximum** 120 °F / 49 °C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
ETHANOL	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m^3	3300 ppm TWA: 1000 ppm TWA: 1900 mg/m^3
Methyl acetate	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm TWA: 610 mg/m^3	3100 ppm STEL 250 ppm STEL 760 mg/m^3 TWA: 200 ppm TWA: 610 mg/m^3
Carbon dioxide	TWA: 5000 ppm	TWA: 5000 ppm	40000 ppm

	STEL: 30000 ppm	TWA: 9000 mg/m^3	STEL 30000 ppm STEL 54000 mg/m^3 TWA: 5000 ppm TWA: 9000 mg/m^3

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin Protection Wear suitable protective clothing, Impervious gloves.

Respiratory Protection In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Viscosity**	Non viscous
Color	Colorless	**Odor**	Alcohol
Odor Threshold	Not applicable	**Appearance**	Transparent
pH	Not applicable	**Specific Gravity**	0.68
Evaporation Rate	124.7 (Butyl acetate=1)	**Percent Volatile (Volume)**	100
VOC Content (%)	73	**VOC Content (g/L)**	496
Vapor Pressure	3782 mmHg @ 70°F	**Vapor Density**	1.5 (Air = 1.0)
Solubility	Not applicable	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	151 °F / 66 °C	**Flammability (solid, gas)**	No data available
Flash Point	55 °F / 13 °C	**Method**	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Solvent mixture	**Upper:** 36 **Lower:** 1.2	

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.

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

Incompatible Products Strong oxidizing agents, Strong acids.

Decomposition Temperature No data available

Hazardous Decomposition Products Carbon oxides.

Possibility of Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

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

Oral LD50 No information available

Dermal LD50 No information available

Inhalation LC50

Gas No information available

Mist No information available

Vapor No information available

Principle Route of Exposure Inhalation, Skin contact, Eye contact.

Primary Routes of Entry Skin contact, Skin Absorption.

Acute Effects:

Eyes Severe eye irritant.

Skin May cause slight irritation.

Inhalation May cause irritation of respiratory tract. Inhalation of vapors in high concentration can cause narcotic effects and metabolic acidosis. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion Ingestion may cause irritation to mucous membranes. Causes headache, drowsiness or other effects to the central nervous system. Lowered blood pressure. May be fatal or cause blindness if swallowed.

Chronic Toxicity May cause damage to the kidneys/liver/eyes/brain/digestive system/central nervous system through prolonged or repeated exposure if swallowed. Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Contains a known or suspected carcinogen.

Target Organ Effects Blood, Central nervous system, Gastrointestinal tract, Liver, Reproductive System, Respiratory system, Eyes, Heart, Kidney, Skin, Spleen, Pancreas.

Aggravated Medical Conditions Heart, Liver disorders, Neurological disorders, Skin disorders, Respiratory disorders, Kidney

disorders, Blood disorders, Cardiovascular.

Component Information

Acute Toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
ETHANOL 64-17-5	No data available	no data available	= 124.7 mg/L (Rat) 4 h	No data available	No data available
Methyl acetate 79-20-9	> 5000 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h	No data available	No data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
ETHANOL 64-17-5	No data available	No data available	No data available	No data available	Blood Skin Central nervous system Eyes Respiratory system Reproductive System Liver
Methyl acetate 79-20-9	No data available	No data available	No data available	No data available	Skin Central nervous system Eyes Respiratory system
Carbon dioxide 124-38-9	No data available	No data available	No data available	No data available	Respiratory system Cardiovascular system

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
ETHANOL 64-17-5	A3	Group 1	not applicable	X	not applicable

(1) IARC classification for Ethyl alcohol is intended for use in alcoholic beverage use only. This product is not intended for this use.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficien
ETHANOL	No information available.	LC50 12.0 - 16.0 mL/L Oncorhynchus mykiss 96 h LC50 > 100 mg/L Pimephales promelas 96 h LC50 13400 - 15100 mg/L Pimephales promelas 96 h	No information available	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static	-0.32
Methyl acetate	EC50 > 120 mg/L Desmodesmus subspicatus 72 h	LC50 295 - 348 mg/L Pimephales promelas 96 h LC50 250 - 350 mg/L Brachydanio rerio 96 h	EC50 = 6000 mg/L 16 h EC50 = 6100 mg/L 30 min	1026.7: 48 h Daphnia magna mg/L EC50	0.18

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT DOT
- **Proper Shipping Name** Consumer commodity
- **Hazard Class** ORM-D
- **Description** Consumer commodity, ORM-D

TDG
- **Proper shipping name** Aerosols
- **Hazard Class** 2.1
- **UN-No** UN1950
- **Description** UN1950, AEROSOLS, 2.1, LTD QTY

ICAO
- **Proper Shipping Name** DO NOT SHIP AIR

IATA

Proper Shipping Name DO NOT SHIP AIR

IMDG/IMO

Proper Shipping Name Aerosols
Hazard Class 2.1
UN-No UN1950
EmS No. F-D, S-U
Description UN1950, Aerosols,2.1 LTD. QTY.

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies
U.S. 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:

Component	CAS No.	Weight %	SARA 313 - Threshold Values
Methyl alcohol	67-56-1	0.1-1	1.0

SARA 311/312 Hazardous Categorization

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

CERCLA

16. OTHER INFORMATION

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Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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