

Section I - Product and Company Identification

Product Name: BRUSH CLEANER
Article Code: B 3000

Family: Cleansing Agent

Product Use: BRUSH CLEANER

Manufacturer: CNC International BV
Burgemeesterlaan 2 – 6002 EG Weert, Netherlands
Emergency Phone Numbers: +495-547409
Information Contacts: +31-495-548213

Section II - Hazardous Ingredients

Chemical Identity	CAS Numbers	INCI Name	Exposure	Limits	Carcinogen	%
			OSHA TWA/STEL	ACGIH TWA/STEL		
ETHYL ACETATE	141-78-6	Ethyl Acetate	400 ppm	400 ppm	Not Listed	0 - 60
ISOPROPYL ALCOHOL	67-63-0	Isopropyl Alcohol	400 ppm	400 ppm	3/none/none	0 - 10
BUTYL ACETATE	123-86-4	Butyl Acetate	150 ppm	150 ppm	Not Listed	0 - 20
M E K	78-93-3	Methyl Ethyl Ketone	200 ppm	200 ppm	Not Listed	0 - 5
ETHANOL	64-17-5	Ethanol	1000 ppm	1000 ppm	Not Listed	0 - 5

N/E - None Established

N/R - Not Reviewed

N/DA - No Data Available

N/A - Not Applicable

Section III - Hazards Identification

EMERGENCY OVERVIEW

- May cause eye irritation.
- Flammable liquid and vapor.
- May cause skin irritation.
- Avoid prolonged or repeated breathing of gases, vapors or mist.

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry Inhalation, skin and ingestion.

Eye Liquid contact with eyes can cause irritation and possible corneal damage.

Skin Repeated/prolonged contact may cause drying of skin. Symptoms include redness, burning, drying, cracking and skin burns.

Ingestion Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting.

Inhalation Vapors are irritating to nasal passages and throat and may cause stupor or headache. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Sub-Chronic Effects Significant exposure to this chemical may adversely affect people with chronic disease or may cause damage to the respiratory system, skin and eyes.

NOTE: Refer to Section 11, Toxicological Information for Details

Section IV - First Aid Measures

First Aid for Eye Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.

First Aid for Skin Wash thoroughly with soap and water. Remove contaminated clothing. Get medical help if discomfort persists.

First Aid for Ingestion If individual is drowsy or unconscious, do not give anything by mouth; place individual on the leftside with head down. Seek medical attention for advice about whether to induce vomiting. If possible, do not leave individual unattended.

First Aid for Inhalation Remove to fresh air. If having breathing difficulty, give oxygen. If breathing has stopped, give artificial respiration. Seek medical attention if discomfort persists.

Section V - Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
68° F	LEL : 2 % ; UEL : 11.4 %	N/DA

Method:
Extinguishing Media: Use CO2 or dry chemical for small fires or alcohol type aqueous film forming foam.
Fire Fighting Instructions: If potential for exposure to vapors or products of combustion, wear complete personal protective equipment including self contained breathing apparatus, with full face operated in pressure demand. Fight fire from a safe distance/protected location.
Unusual Hazards: Flammable. When exposed to heat and flame, material is a fire explosion hazard. Vapor is heavier than air and can travel considerable distance to source of ignition and flash back. Material creates a special hazard if it floats on water.

Section VI - Accidental Release Measures

Spill or Release Procedures: Evacuate area and eliminate all possible sources of ignition. Use self-contained breathing apparatus and protective clothing. Dike and absorb with inert materials (sand,soda,ash, vermiculite,etc.) and then transfer to proper containers for disposal, using non-sparking tools. Keep spills out of sewers and open bodies of water. Remove saturated clothing and wash affected areas with soap and water.

Section VII - Handling and Storage

Handling: Closed containers exposed to temperature above (120 ° F) in transit or storage may develop vapor pressure. Open containers slowly. Ground all metal containers when transferring material. Wash face and hands thoroughly with soap and water after handling and before eating, drinking or smoking.
Storage: Store in a cool , well ventilated area away from heat, sparks and flame. Keep containers closed when not in use.
Explosion Hazard: Flammable liquid. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Section VIII - Exposure Controls / Personal Protective Equipment

Engineering Controls Use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below recommended exposure limits. Use explosion- proof ventilation equipment.

Personal Protective Equipment

General Use complete protective equipment , as specified below. Provide eye wash stations and showers.
Eye/ Face Protection Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type of safety glasses.
Skin Protection Wear chemical resistant neoprene or rubber gloves.
Respiratory Protection Use self contained breathing apparatus when needed.

Section IX - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
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Clear, colorless, mobile liquid	fruity, pungent mix odor	N/A	(H ₂ O = 1) :	N/A	W/W % : 99+
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Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
77 ° C	N/DA	N/DA	73 mm Hg @ 20 ° C	(Air=1): 3. 0	(Butyl Acetate=1): 4. 5	N/A	8.7 %

Section X - Stability and Reactivity

Stability:

Stable

Incompatibility (Materials to Avoid):

Oxidizing Agent i.e. Hydrogen peroxide , Nitric Acid ,
Perchloric Acid, Chromium Trioxide

Hazardous Decomposition Products:

Carbon Monoxide

Hazardous Polymerization:

Will not occur

Conditions to Avoid:

Heat, sparks , flame

Section XI - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation - Eye
Mouse: LD50=4100 mg	N/DA	Mouse: LC50 = 45 gm/m3/2H	Rabbit LD50= >20 gm/kg	N/DA

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/ DA	Hamster fibroblast 9g/L sex chromosome Loss/Non-disjunction: S. cerevisiae 24400 ppm	N/ DA

Section XII - Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
Fathead Minnow: 230 mg/L 96Hdaphid LC50=2500 mg/L/96H	N/ DA	N/ DA	N/ DA	N/ DA

Chemical Fate Information

Biodegradability	May evaporate at a moderate extent in both soil and water. Half-life of 1 day in water.
Chemical Oxygen Demand	N/ DA

Section XIII - Disposable Concentrations

All notification , clean up and disposal should be carried out in accordance with Federal , State and Local government regulations. Mix with compatible chemical which is less flammable and incinerate.

Section XIV - Transport Information

DOT/ UN Shipping Name : UN 1993; Flammable liquid, n.o.s. Class 3, PG II

Section XV - Regulatory Information

US Federal Regulations

Clean Air Act: ODS/HAP'S	This product contains no ozone depleting substances. It does however contain the following HAP's : Methyl Ethyl Ketone CAS #78-93-3.
Clean Water Act: Priority Pollutant/ Hazardous Substance.	The following ingredients are listed as hazardous pollutants under the CWA: n-butyl acetate CAS #123-86-4 (HS).
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and /or other applications as an indirect food packaging additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are: Immediate (acute) health hazard Fire hazard
SARA Title III: Section 302	This product contains the following chemicals regulated under SARA 302: None
SARA Title III: Section 304	This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): Ethyl Acetate CAS #141-78-6 RQ (Lbs) 5000; N-butyl acetate CAS #123-86-4 RQ (Lbs) 5000; and Methyl Ethyl Ketone CAS #78-93-3 RQ (Lbs) 5000.
SARA Title III: Section 311-312:	This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311 - 312 (40 CFR 370). Is hazards are: Immediate (acute) health hazard Fire hazard
SARA Title III: Section 313:	This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: Isopropyl Alcohol CAS: 67-63-0, Methyl Ethyl Ketone CAS: 78-93-3.
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261). Ethyl Acetate CAS #141 - 78 - 6 RCRA Code U112, Methyl Ethyl Ketone CAS #78-93-3 RCRA Code: U159.

State Regulations

CA Right-to-Know Law	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, Ethanol CAS 64-17-5, Isopropyl Alcohol CAS 67-63-0, n-Butyl Acetate CAS 123-86-4.
MA Right-to-Know Law:	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, Ethanol CAS 64-17-5, Isopropyl Alcohol CAS 67-63-0, n-Butyl Acetate CAS 123-86-4.
NJ Right-to-Know Law:	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, Ethanol CAS 64-17-5, Isopropyl Alcohol CAS 67-63-0, n-Butyl Acetate CAS 123-86-4.
PA Right-to-Know Law:	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, Ethanol CAS 64-17-5, Isopropyl Alcohol CAS 67-63-0, n-Butyl Acetate CAS 123-86-4.
FL Right-to-Know Law:	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, Ethanol CAS 64-17-5, Isopropyl Alcohol CAS 67-63-0, n-Butyl Acetate CAS 123-86-4.
MN Right-to-Know Law:	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, Ethanol CAS 64-17-5, Isopropyl Alcohol CAS 67-63-0, n-Butyl Acetate CAS 123-86-4.

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Ethyl Acetate CAS 141 - 78 - 6 is on the DSL list. WHMIS = B2, D2B. Methyl Ethyl Ketone CAS 78-93-3 is on the DSL list. WHMIS = B2, D2A.
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	Ethanol CAS 64-17-5 is on the DSL list. WHMIS = B2, D2A. Isopropyl Alcohol CAS 67-63-0 is on the DSL list. WHMIS = B2, D2B. n-Butyl Acetate CAS 123-86-4 is on the DSL list. WHMIS = B2, D1B, D2B.
EINECS: European Inventory:	Isopropyl alcohol (200-661-7) <ul style="list-style-type: none"> Hazard Symbol (F), R Values (R11), S Values (S7, S16) MEK (201-159-0) <ul style="list-style-type: none"> Hazard Symbol (XI F), R Values (R11, R36, R66, R67), S Values (S9, S16) Ethyl Acetate (205-500-4) <ul style="list-style-type: none"> Hazard Symbol (XI F), R Values (R11, R36, R66, R67), S Values (S16, S26, S33) Butyl Acetate (204-658-1) <ul style="list-style-type: none"> Hazard Symbol (F), R Values (R10), S Values (S9, S16, S33) Ethanol (200-578-6) <ul style="list-style-type: none"> Hazard Symbol (F), R Values (R11), S Values (S7, S9, S16, S33)

R & S sentences

R11 R36/37/38 R40
S2 S7 S16 S21 S56

Section XVI - Other Information

Hazard Rating System

NFPA: Health = 2/Flammability = 3 /Reactivity = 0
HMIS: Health = 2 /Flammability/= 3 /Reactivity = 0

Approval Date: 2/20/01

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