SAFETY DATA SHEET

1. Identification

Product identifier HS Black Toner

710 **Product code**

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name **PBE Jobbers Warehouse**

Address 2921 Svene Rd

Madison, WI 53713

Telephone 608-274-8797

Emergency phone number EMERGENCY 24 Hrs. 800-424-9300 ChemTrec

Physical hazards Flammable liquids Category 3 Acute toxicity, oral Category 4 **Health hazards**

Category 4 Acute toxicity, inhalation Category 2 Skin corrosion/irritation Category 2A Serious eye damage/eye irritation Category 2 Carcinogenicity

Category 2 Reproductive toxicity

Category 3 narcotic effects Specific target organ toxicity, single exposure

Specific target organ toxicity, repeated Category 1

exposure

Hazardous to the aquatic environment, acute **Environmental hazards**

hazard

Hazardous to the aquatic environment, long-Category 3

term hazard

Not classified. **OSHA** defined hazards

2. Hazard(s) identification

Label elements



Signal word

Hazard statement

Flammable liquid and vapor. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Category 3

Precautionary statement Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

Storage

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

Disposal Hazard(s) not otherwise classified (HNOC)

Supplemental information

Dispose of contents/container in accordance with local/regional/national/international regulations.

None known.

42% of the mixture consists of component(s) of unknown acute oral toxicity. 42% of the mixture consists of component(s) of unknown acute inhalation toxicity. 82% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 82% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Methyl n-Amyl Ketone		110-43-0	30 - < 50
Xylene		1330-20-7	10 - < 20
Carbon Black		1333-86-4	5 - < 10
Ethylbenzene		100-41-4	0 - < 5
ther components below reportable levels			40 - < 50

Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Get medical advice/attention if you feel unwell.

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation.

Symptoms may include stinging tearing redness swelling and blurred vision. Skin irritation. Ma

Ingestion

Most important
symptoms/effects, acute and
delayed

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing

before reuse.

5. Fire-fighting measures

Suitable extinguishing media Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (C02).

Unsuitable extinguishing media

chemical

Special protective equipment and precautions for firefighters

Fire fighting equipment/instructions

Specific methods

General fire hazards

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source the of ignition and flash back. During fire, gases hazardous to health may be formed.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. Flammable liquid and vapor.

6. Accidental release measures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Environmental precautions Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

7. Handling and storage

Precautions for safe handling Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an

area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the

Conditions for safe storage, including any incompatibilities

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

SDS).

Components	Туре	Value
Carbon Black (CAS 1333-86-4)	PEL	3.5 mg/m3
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3
Methyl n-Amyl Ketone (CAS 110-43- 0)	PEL	100 ppm 465 mg/m3

Components	Туре	Value	
Xylene (CAS 1330-20-7)	PEL	100 ppm 435 mg/m3 100 ppm	
US. ACGIH Threshold Limit Value Components	s Type	Value	Form
Carbon Black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Methyl n-Amyl Ketone (CAS 110-43-0)	TWA	50 ppm	
Xylene (ĆAS 1330-20-7)	STEL TWA	150 ppm 100 ppm	
US. NIOSH: Pocket Guide to Chen Components	nical Hazards Type	Value	
arbon Black (CAS 333-86-4)	TWA	0.1 mg/m3	
thylbenzene (CAS 00-41-4)	STEL	545 mg/m3 125	
	TWA	ppm 435 100	
ethyl n-Amyl Ketone (CAS 10-43-0)	TWA	ppm	
•		100 ppm	
iological limit values			

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant Specimen Sampling	
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine

^{* -} For sampling details, please see the source document.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Appropriate engineering

controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air

changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

Individual protection measures, such as personal protective equipment

Eye/face protection

Hand protection

Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

supplier.

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Other

Respiratory protection Chemical respirator with organic vapor

cartridge and full facepiece. **Thermal hazards** Wear appropriate thermal protective clothing,

when necessary.

General hygiene considerations

When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid. Form Liquid. Color Black Odor Solvent. **Odor threshold** Not available. РΗ Not available.

-31.9 °F (-35.5 °C) estimated Melting point/freezing point 304.7 °F (151.5 °C) estimated

Initial boiling point and boiling

range

Flash point

102.0 °F (38.9 °C) estimated **Evaporation rate** Not available.

Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower (%)

Flammability limit - upper

(%)

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available.

6.92 hPa estimated Vapor pressure

Not available. Vapor density Not available. Relative density

Solubility(ies)

Solubility (water)

Not available. Not available.

Not available.

7.9 % estimated

1.1% estimated

Partition coefficient (n-

octanol/water)

740 °F (393.33 °C) estimated **Auto-ignition temperature**

Decomposition temperature

Not available. **Viscosity**

Other information

Density Flammability class 0.93 g/cm3 estimated Combustible II estimated 35.6 w/w % By Weight 42.41 v/v % By Volume

0.93 estimated

Specific gravity

Percent volatile

VOC (Weight %)

2.97 lb/gal (Actual VOC - With Water Less Exempts)

2.97 lb/gal (Regulatory VOC - Less Water Less Exempts) 356.34 g/L (Actual VOC - With Water With Exempts) 356.34 g/L (Regulatory VOC - Less Water Less Exempts)

10. Stability and reactivity

Reactivity **Chemical stability** The product is stable and non-reactive under normal conditions of use, storage and transport.

Material is stable under normal conditions.

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding Conditions to avoid the flash point. Contact with incompatible materials.

> Strong acids. Strong oxidizing agents. Halogens. No hazardous decomposition products are known.

Incompatible materials Hazardous decomposition

products

11. Toxicological information

Information on likely routes of exposure

Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by

inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.

Causes skin irritation. Skin

Causes serious eye irritation. contact Eve

Harmful if swallowed. contact

Headache. May cause drowsiness and dizziness. Nausea, vomiting. Severe eye irritation. Ingestion

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation.

May cause redness and pain.

Carbon Black (CAS 1333-86-4)

Symptoms related to the physical,

Acute Oral

Inhalation

LD50 Rat > 8000 mg/kg

Ethylbenzene (CAS 100-41-4)

Acute

Dermal

LD50 Rabbit 17800 mg/kg

Oral

LD50 Rat 3500 mg/kg

Methyl n-Amyl Ketone (CAS 110-43-0)

Acute

Dermal

LD50 Rabbit 12600 mg/kg

Oral

LD50 Mouse 730 mg/kg

> Rat 1.67 g/kg

Xylene (CAS 1330-20-7)

Acute

Dermal

LD50 Rabbit > 43 g/kg

Inhalation

LC50 Mouse 3907 mg/l, 6 Hours

> Rat 6350 mg/l, 4 Hours

Oral

LD50 Mouse 1590 mg/kg

> Rat 3523 - 8600 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity

Suspected of causing cancer.

^{*} Estimates for product may be based on additional component data not shown.

IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon Black (CAS 1333-86-4) 2B Possibly carcinogenic to humans. Ethylbenzene (CAS 100-41-4) 2B Possibly carcinogenic to humans.

Xylene (CAS 1330-20-7) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity Components in this product have been shown to cause birth defects and reproductive disorders in

laboratory animals. Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - May cause drowsiness and dizziness,

single exposure

Specific target organ toxicity - Causes damage to organs through prolonged or repeated exposure.

repeated exposure

Aspiration hazard Not an aspiration hazard.

Chronic effects Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be

harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Components		Species	Test Results
Ethylbenzene (CAS 100- Aquatic	-41-4)		
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	7.5 -11 mg/l, 96 hours
Methyl n-Amyl Ketone (C Aquatic	CAS 110-43-0)		
Fish Xylene (CAS 1330-20-7)	LC50	Fathead minnow (Pimephales promelas)	126 - 137 mg/i, 96 hours
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	7.711 - 9.591 mg/l, 96 hours

^{*} Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water

3.15 (log Kow) 1.98 Ethylbenzene Methyl 3.12-3.2

n-Amyl Ketone

Xylene

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

Disposal instructions 13. Disposal considerations

> Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches

with chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations. Local disposal regulations

Dispose in accordance with all applicable regulations. Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Since emptied containers may retain product residue, follow label warnings even after container is Contaminated packaging emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport information The following transportation information is provided based on the manufacturer's interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking, and labeling prior to offering for transport. **UN** number DOT

UN1263 **UN proper shipping name** Paint related material including paint thinning, drying, removing, or reducing compound Transport hazard class(es) Class Subsidiary risk 3 Label(s) Packing group Special 3 precautions for user Special Ш provisions Packaging Read safety instructions, SDS and emergency procedures before handling. exceptions Packaging non bulk 149, B52, IB2, T4, TP1, TP8, TP28 Packaging bulk IATA 150 **UN** number 173 **UN proper shipping name** 242 Transport hazard class(es) Class Subsidiary risk UN1263 Packing group Paint related material (including paint thinning or reducing compounds) **Environmental** hazards ERG Code 3 Special precautions for user Other information Passenger and cargo No. aircraft 3L Cargo aircraft only Read safety instructions, SDS and emergency procedures before handling. **IMDG UN** number Allowed. **UN proper shipping name** Allowed. UN1263 PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound) Transport hazard class(es) 3

Class

Subsidiary risk Packing group

Environmental hazards

No. Marine F-E. S-E pollutant EmS

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. Not established.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

DOT



This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

One or more components are not listed on TSCA.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Listed. Listed.

Delayed Hazard - Yes Fire Hazard - Yes

CERCLA Hazardous Substance List (40 CFR 302.4)

Ethylbenzene (CAS 100-41-4) Xylene (CAS 1330-20-7)

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - Yes

Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

chemical

SARA 313 (TRI reporting)

Chemical name CAS number %bywt. 10 - < 20 **Xylene** 1330-20-7 Ethylbenzene 100-41-4 0 - < 5

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Ethylbenzene (CAS 100-41-4) Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

(a))

Carbon Black (CAS 1333-86-4) Ethylbenzene (CAS 100-41-4) Xylene (CAS 1330-20-7)

US. Massachusetts RTK - Substance List

Carbon Black (CAS 1333-86-4) Ethylbenzene (CAS 100-41-4) Methyl n-Amyl Ketone (CAS 110-43-0) Xylene (CAS 1330-20-7)

US. New Jersey Worker and Community Right-to-Know Act

Carbon Black (CAS 1333-86-4) Ethylbenzene (CAS 100-41-4)

Methyl n-Amyl Ketone (CAS 110-43-0)

Xylene (CAS 1330-20-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Carbon Black (CAS 1333-86-4) Ethylbenzene (CAS 100-41-4)

Methyl n-Amyl Ketone (CAS 110-43-0)

Xylene (CAS 1330-20-7)

US. Rhode Island RTK

Ethylbenzene (CAS 100-41-4) Xylene (CAS 1330-20-7)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause

cancer. US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Carbon Black (CAS 1333-86-4) Listed: February 21,2003 Ethylbenzene (CAS 100-41-4) Listed: June 11, 2004

Inventory name

International Inventories Country(s) or region

Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada China	Non-Domestic Substances List (NDSL) Inventory of Existing Chemical Substances in China (IECSC)	No No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan Korea	Inventory of Existing and New Chemical Substances (ENCS) Existing Chemicals List (ECL)	No No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing

16. Other information, including date of preparation or last revision

Disclaimer

country(s).

Our Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

On inventory (yes/no)*

No