



Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022

1. Identification

1.1. Product identifier

Product Identity

ALL PURPOSE CLEANER

Alternate Names

20-735, Blended Formula, All Purpose Cleaner, Cleaner for PVC, ABS, & CPVC Pipe & Fittings- 1 qt

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

Recommended for ABSS, CPVC, and PVC pipe where primer is not required.

Application Method

Read all precautions and instructions carefully before and after use.

1.3. Details of the supplier of the safety data sheet

Company Name

ComStar International Inc.
20-47 128th Street,
College Point, NY 11356

Telephone No.

718-445-7900
800-328-0142
Fax: 718-353-5998

Emergency 24 HR response No: 1-800-424-9300 & 703-527-3887 CHEMTREC

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

2. Hazard(s) identification

Classification

WHMIS 2015 Classification Classified as hazardous under the Hazardous Products Regulations (SOR/2015-17)

2.1. Classification of the substance or mixture

Physical hazards

Flammable liquid, H 225, Category 2
Serious Eye Damage/Eye Irritation, H 319, Category 2

Specific target organ toxicity (single exposure)

Target Organs- Central Nervous System (CNS), H336, Category 3

Specific target organ toxicity (repeated exposure)

Target Organs-kidney/liver, H 372, Category 2

Health Hazards Not Otherwise Classified

Prolonged or repeated contact may dry skin and cause irritation or cracking, Category 1

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022



Signal Word

Warning

[Hazard Statement]:

Highly flammable liquid and vapor

Causes serious eye irritation

May cause drowsiness and dizziness

May cause damage to organs through prolonged or repeated exposure

Prolonged or repeated contact may dry skin and cause irritation or cracking

Precautionary Statements

[Prevention]:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 discharges

Do not breathe dust/fumes/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Use only outdoors or in a well-ventilated

Wear protective gloves/protective clothing/eye protection/face protection

[Response]

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

Call a POISON CENTER/ doctor if you feel unwell

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

[Storage]

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

Store locked up

[Disposal]

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Contains a known or suspected endocrine disruptor

3. Composition/information on ingredients

Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022



This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Methyl Ethyl Ketone 78-93-3	>95%	H225, H319, H336, H372	

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air. Get medical attention if symptoms occur. If not breathing, give artificial respiration.
Eyes	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
Ingestion	Do NOT induce vomiting. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Overview	Difficulty in breathing. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Notes to Physician	Treat symptomatically

5. Fire-fighting measures

5.1. Extinguishing media

CO 2, dry chemical, dry sand, alcohol-resistant foam. Water mist may be used to cool closed containers

5.2. Unsuitable Extinguishing Media

Water may be ineffective

Flash Point	-7 °C / 19.4 F
Method -	CC (closed cup)
Autoignition Temperature	404 °C / 759.2 °F
Explosion Limit	
Upper	11.4 vol %
Lower	1.4 vol %

Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022



Oxidizing Properties Not oxidizing
Sensitivity to Mechanical Impact No information available
Sensitivity to Static Discharge No information available

5.3. Special hazards arising from the substance or mixture

Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

5.4. Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide (CO₂).

5.5. Advice for fire-fighters

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

NFPA	Health	Flammability	Instability	Physical hazards
	2	3	1	N/A

ERG Guide No. ---

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Remove all sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation.

6.2. Environmental precautions

Avoid release to the environment. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Remove all sources of ignition. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Use spark-proof tools and explosion-proof equipment.

7. Handling and storage

7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Use spark-proof tools and explosion-proof equipment. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only non-sparking tools. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame. Flammable's area. Incompatible Materials. Strong oxidizing agents. Strong acids. Strong bases. Strong reducing agents. Ammonia. copper. Amine

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022



No data available.

8. Exposure controls and personal protection

8.1. Control parameters							
Exposure							
Component	Alberta	British Columbia	Ontario TWA/EV	Quebec	ACGIH TLV	OSHA PEL	NIOSH IDHL
Methyl ethyl ketone	TWA: 200 ppm TWA: 590 mg/m3 STEL: 300 ppm STEL: 885 mg/m3	TWA: 50 ppm STEL: 100 ppm	TWA: 200 ppm STEL: 300 ppm	TWA: 50 ppm TWA: 150 mg/m3 STEL: 100 ppm STEL: 300 mg/m3	TWA: 200 ppm STEL: 300 ppm	(Vacated) TWA: 200 ppm (Vacated) TWA: 590 mg/m3 (Vacated) STEL: 300 ppm (Vacated) STEL: 885 mg/m3 TWA: 200 ppm TWA: 590 mg/m3	IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m3 STEL: 300 ppm STEL: 885 mg/m3

Legend

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

8.2. Exposure controls

Respiratory

When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirators if exposure limits are exceeded or if irritation or other symptoms are experienced.

Recommended filter type

Type A Organic gases and vapors filter Brown conforming to EN1438

Eyes

Safety glasses with side shields, goggles or face shield are recommended.

Skin/Hand protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022



Glove material	Breakthrough time	Glove thickness	Glove comments
Butyl rubber	<60 minutes	0.5 mm	Permeation rate 36 µg/cm ² /min As tested under EN374-3 Determination of Resistance to Permeation by Chemicals

Inspect gloves before use. observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information) gloves are suitable for the task: Chemical compatibility, Dexterity, Operational conditions, User susceptibility, e.g. sensitization effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. gloves with care avoiding skin contamination.

Environmental exposure controls
No information available
Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

Engineering Controls Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimize release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	Characteristic -sweet
Odor threshold	No information available
pH	No information available
Melting point / freezing point	-87 °C / -124.6 °F
Initial boiling point and boiling range	80 °C / 176 °F
Flash Point	-7 °C / 19.4 °F
Method	CC (closed cup)
Evaporation rate (Ether = 1)	3.7
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	
Upper	11.4 vol %

Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022



Lower	1.4 vol %
Vapor pressure	105 mbar @ 20 °C
Vapor Density	2.41
Specific Gravity	0.806
Solubility in Water	Soluble in water
Partition coefficient n-octanol/water (Log Kow)	No data available
Auto-ignition temperature	404 °C / 759.2 °F
Decomposition temperature	No information available
Viscosity	0.42 mPa.s @ 15°C
Molecular Formula	C4 H8 O
Molecular Weight	72.11

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

None known, based on information available

10.2. Chemical stability

Hygroscopic

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition. Exposure to moist air or water.

10.5. Incompatible materials

Strong oxidizing agents, Strong acids, Strong bases, Strong reducing agents, Ammonia, copper, Amines

10.6. Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂)

10.7. Hazardous polymerization

Hazardous polymerization does not occur

11. Toxicological information

Acute toxicity

Product Information

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022



Methyl ethyl ketone	LD50 = 2483 mg/kg (Rat)	LD50 = 5000 mg/kg (Rabbit	LC50 = 11700 ppm (Rat)4h
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Toxicologically Synergistic Products No information available

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

Irritation Irritating to eyes

Sensitization No information available

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

Component	Cas-No	IARC	NTP	ACGIH	OSHA	Mexico
Methyl ethyl ketone	78-93-3	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects Not mutagenic in AMES Test

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure Central nervous system (CNS)

STOT - repeated exposure Kidney Liver

Aspiration hazard No information available

Symptoms /effects, both acute and delayed Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Methyl ethyl ketone	Not listed	Lepomis macrochirus: LC50=3,22 g/L 96 h	EC50 = 3403 mg/L 30 min EC50 = 3426 mg/L 5 min	EC50: = 5091 mg/L, 48h (Daphnia magna) EC50: 4025 - 6440 mg/L, 48h Static (Daphnia magna) EC50: > 520 mg/L, 48h (Daphnia magna)

12.1. Persistence and degradability

Persistence is unlikely based on information available

12.2. Bioaccumulative potential

Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022



No information available

12.3. Mobility in soil

Will likely be mobile in the environment due to its volatility

Component	Log Pow
Methyl ethyl ketone	0.29

13. Disposal considerations

13.1. Waste treatment methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Component	RCRA-U Series Waste	RCRA-P Series Waste
Methyl ethyl ketone - 78-93-3	U159	-

14. Transport information

	DOT (Domestic Surface Transportation)	TDG	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN 1193	UN 1193	UN 1193	UN 1193
14.2. UN proper shipping name	Ethyl methyl ketone limited quantity (each not exceeding 1 L capacity)	Ethyl methyl ketone limited quantity (each not exceeding 1 L capacity)	Methyl ethyl ketone limited quantity (each not exceeding 1 L capacity)	Ethyl methyl ketone (Methyl ethyl ketone) limited quantity (each not exceeding 1 L capacity)
14.3. Transport hazard class(es)	3	3	3	3
14.4. Packing Group	II	II	II	II
14.5. Environmental hazards				

15. Regulatory information

International Inventories

Component	CAS-No	DSL	NDSL	TSCA	TSCA Inventory	EINECS	ELINCS	NLP	
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Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022



					notification - Active- Inactive				
Methyl ethyl ketone	78-93-3	X	-	X	ACTIVE	201-159-0	-	-	
Component	CAS-No	IECSC	KECL	ENCS	ISHL	TCSI	AICS	NZIoC	PICCS
Methyl ethyl ketone	78-93-3	X	KE-24094	X	X	X	X	X	X

Legend:

X - Listed '-' - Not Listed

KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

IECSC - Chinese Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

ENCS - Japanese Existing and New Chemical Substances

AICS - Australian Inventory of Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

CANADA

SDS in compliance with provisions of information as set out in Canadian Standard - Part 4, Schedule 1 and 2 of the Hazardous Products Regulations (HPR) and meets the requirements of the HPR (Paragraph 13(1)(a) of the Hazardous Products Act (HPA))

Component	Canada - National Pollutant Release Inventory (NPRI)	Canadian Environmental Protection Agency (CEPA) - List of Toxic Substances	Canada's Chemicals Management Plan (CEPA)
Methyl ethyl ketone	Part 1, Group A Substance Part 5, Individual Substances Part 4 Substance		

Other International Regulations

Authorization/Restrictions according to EU REAC

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Methyl ethyl ketone	-	Use restricted. See item 75. (see link for restriction details)	-

Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety Data Sheet

ALL PURPOSE CLEANER

SDS Revision Date:

12/12/2022



Component	CAS-No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Methyl ethyl ketone	78-93-3	Listed	Not applicable	Not applicable	Not applicable
Component	CAS-No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Methyl ethyl ketone	78-93-3	Not applicable	Not applicable	Not applicable	Annex I - Y42

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.

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