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Class C Solutions Group

A business of MSC Industrial Supply Co.

Safety Data Sheet

Supply Co. - BRAKE PARTS CLEANER NON-CHLORINATED

Document Nbr: 082556
Class C Parts IDs BD1539

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EST. 1955

SHRADER
INTERNATIONAL LEADER - CHEMICAL SOLUTIONS

SAFETY DATA SHEET

BRAKE PARTS CLEANER NON-CHLORINATED

-----SECTION 1. IDENTIFICATION -----

PRODUCT IDENTIFIER: BRAKE PARTS CLEANER NON-CHLORINATED

PART NUMBER: BD1539

PRODUCT FAMILY: MIXTURE

RECOMMENDED USE: CLEANER.

RESTRICTIONS ON USE: NOT APPLICABLE.

SUPPLIER:
CLASS C SOLUTIONS, A BUSINESS OF MSC INDUSTRIAL SUPPLY CO.
75 MAXESS ROAD
MELVILLE, NY, 11747-3151
USA
1.866.438.6767

EMERGENCY PHONE NO.:
CANUTEC: +1.613.996.6666
OPERATION HOURS: 24/7

-----SECTION 2. HAZARDS IDENTIFICATION -----

GHS CLASSIFICATION:

FLAMMABLE AEROSOL: CATEGORY 1
GAS UNDER PRESSURE: COMPRESSED GAS
SKIN CORROSION/IRRITATION: CATEGORY 2
SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 2A
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): CATEGORY 3
ASPIRATION HAZARD: CATEGORY 1

GHS LABEL ELEMENTS:

FLAME
GAS CYLINDER
EXCLAMATION MARK
HEALTH HAZARD

DANGER:

EXTREMELY FLAMMABLE AEROSOL.
MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.

PRESSURIZED CONTAINER: MAY BURST IF HEATED.

CAUSES SKIN IRRITATION.
CAUSES SERIOUS EYE IRRITATION.
MAY CAUSE RESPIRATORY IRRITATION.
MAY CAUSE DROWSINESS OR DIZZINESS.

KEEP AWAY FROM HEAT SPARKS OPEN FLAMES AND HOT SURFACES. - NO SMOKING.
DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE.

PRESSURIZED CONTAINER: DO NOT PIERCE OR BURN EVEN AFTER USE.

AVOID BREATHING VAPOURS SPRAY.
WASH HANDS AND SKIN THOROUGHLY AFTER HANDLING.
USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.
WEAR EYE PROTECTION/FACE PROTECTION.

IF SWALLOWED: IMMEDIATELY CALL A POISON CENTRE/DOCTOR.

IF ON SKIN: WASH WITH PLENTY OF WATER.

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 CENTRE/DOCTOR IF YOU FEEL UNWELL.

DO NOT INDUCE VOMITING.

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

TAKE OFF CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE.

STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

STORE LOCKED UP.

PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING
50 DEG. C/122 DEG. F.

DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL, REGIONAL, NATIONAL
AND INTERNATIONAL REGULATIONS.

-----SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS -----

MIXTURE:

CHEMICAL NAME	CAS NO.	%	OTHER IDENTIFIERS
HEPTANE	142-82-5	60 - 100	
ISOPROPANOL	67-63-0	1 - 5	
CARBON DIOXIDE GAS	124-38-9	1 - 5	

NOTES: CONCENTRATIONS ARE EXPRESSED IN % VOLUME/VOLUME.

-----SECTION 4. FIRST-AID MEASURES -----

FIRST-AID MEASURES:

INHALATION:

MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, IMMEDIATELY
CALL A POISON CENTRE.

NOT A HAZARD UNDER NORMAL CONDITIONS OF USE.

SKIN CONTACT:

IMMEDIATELY WASH GENTLY AND THOROUGHLY WITH LUKEWARM, GENTLY FLOWING WATER
AND MILD SOAP FOR 15-20 MINUTES. TAKE OFF IMMEDIATELY CONTAMINATED CLOTHING,
SHOES AND LEATHER GOODS (E.G. WATCHBANDS, BELTS). IF SKIN IRRITATION OCCURS
GET MEDICAL ADVICE/ATTENTION.

EYE CONTACT:

IMMEDIATELY RINSE THE CONTAMINATED EYE(S) WITH LUKEWARM, GENTLY FLOWING

WATER FOR 15-20 MINUTES, WHILE HOLDING THE EYELID(S) OPEN. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE/ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS RAPIDLY LOSING CONSCIOUSNESS, OR IS UNCONSCIOUS OR CONVULSING. DO NOT INDUCE VOMITING. DRINK TWO GLASSES OF WATER. IF VOMITING OCCURS NATURALLY, LIE ON YOUR SIDE IN THE RECOVERY POSITION. RINSE MOUTH WITH WATER AGAIN. IMMEDIATELY CALL A POISON CENTRE OR DOCTOR.

FIRST-AID COMMENTS:

GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL OR ARE CONCERNED.

MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE AND DELAYED: NONE KNOWN.

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE KNOWN.

-----SECTION 5. FIRE-FIGHTING MEASURES -----

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA:

SMALL FIRE: CARBON DIOXIDE OR DRY CHEMICAL.

UNSUITABLE EXTINGUISHING MEDIA: DO NOT USE A DIRECT STREAM OF WATER.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

EXTREMELY FLAMMABLE LIQUID AND VAPOUR. CAN IGNITE AT ROOM TEMPERATURE. RELEASES VAPOUR THAT CAN FORM EXPLOSIVE MIXTURE WITH AIR. SPRAYED PRODUCT WILL PROJECT A FLAME ON CONTACT WITH AN IGNITION SOURCE.

DO NOT USE ON VEHICLES UNLESS COOL.

CONTAINERS MAY EXPLODE IF HEATED.

VAPOURS ARE HEAVIER THAN AIR. MAY TRAVEL A CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK TO A LEAK OR OPEN CONTAINER.

CARBON OXIDES, AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

FIGHT FIRE FROM A SAFE DISTANCE OR A PROTECTED LOCATION.

-----SECTION 6. ACCIDENTAL RELEASE MEASURES -----

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

USE THE PERSONAL PROTECTIVE EQUIPMENT RECOMMENDED IN SECTION 8 OF THIS SAFETY DATA SHEET. ABSORB RESIDUES AND SMALL SPILLS WITH A NON-FLAMMABLE ABSORBENT MATERIAL AND COLLECT ADSORBATE FOR DISPOSAL.

ENVIRONMENTAL PRECAUTIONS:

IF THE SPILL IS INSIDE A BUILDING, PREVENT PRODUCT FROM ENTERING DRAINS, VENTILATION SYSTEMS AND CONFINED AREAS. DO NOT ALLOW INTO ANY SEWER, ON THE GROUND OR INTO ANY WATERWAY.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

CONTAIN AND SOAK UP SPILL WITH ABSORBENT THAT DOES NOT REACT WITH SPILLED PRODUCT. PLACE USED ABSORBENT INTO SUITABLE, COVERED, LABELLED CONTAINERS FOR DISPOSAL.

OTHER INFORMATION:

REPORT SPILLS TO LOCAL HEALTH, SAFETY AND ENVIRONMENTAL AUTHORITIES, AS REQUIRED.

-----SECTION 7. HANDLING AND STORAGE -----

PRECAUTIONS FOR SAFE HANDLING:

DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE. DO NOT PIERCE OR BURN CONTAINER, EVEN AFTER USE. ELIMINATE HEAT AND IGNITION SOURCES SUCH AS SPARKS, OPEN FLAMES, HOT SURFACES AND STATIC DISCHARGE. POST "NO SMOKING" SIGNS. DO NOT USE ON HOT VEHICLES.

CONTAINERS OF THIS MATERIAL MAY CONTAIN HAZARDOUS RESIDUES WHEN "EMPTIED". AVOID BREATHING IN THIS PRODUCT. AVOID REPEATED OR PROLONGED SKIN CONTACT WITH PRODUCT OR WITH CONTAMINATED EQUIPMENT/SURFACES. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. ONLY USE WHERE THERE IS ADEQUATE VENTILATION. WASH HANDS THOROUGHLY AFTER HANDLING THIS MATERIAL.

CONDITIONS FOR SAFE STORAGE:

STORE AT TEMPERATURES NOT EXCEEDING: 40 DEG. C.

KEEP FROM FREEZING.

KEEP AWAY FROM CHILDREN.

STORE IN AN AREA THAT IS: COOL, DRY, WELL-VENTILATED.

-----SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----

CONTROL PARAMETERS:

CHEMICAL NAME	ACGIH(R*) TLV(R*)		OSHA PEL	
	TWA	STEL [C]	TWA	CEILING
HEPTANE	400 PPM	500 PPM	2000 MG/M3	NOT ESTABLISHED

ISOPROPANOL	200 PPM A4	400 PPM	980000 MG/M3	NOT ESTABLISHED
CARBON DIOXIDE GAS	5000 PPM	NOT ESTABLISHED	NOT ESTABLISHED	NOT ESTABLISHED

APPROPRIATE ENGINEERING CONTROLS:

USE LOCAL EXHAUST VENTILATION, IF GENERAL VENTILATION IS NOT ADEQUATE TO CONTROL AMOUNT IN THE AIR. PROVIDE EYEWASH AND SAFETY SHOWER IF CONTACT OR SPLASH HAZARD EXISTS.

INDIVIDUAL PROTECTION MEASURES:

EYE/FACE PROTECTION:

SAFETY GLASSES WITH SIDE SHIELDS.
CONTACT LENSES SHOULD NOT BE WORN.

SKIN PROTECTION:

GLOVES MADE OF: NITRILE, NEOPRENE.

RESPIRATORY PROTECTION:

NOT NORMALLY REQUIRED IF PRODUCT IS USED AS DIRECTED. IF THE TLV IS EXCEEDED, A NIOSH -APPROVED RESPIRATOR IS ADVISED.

-----SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES -----

BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: CLEAR COLOURLESS LIQUID.

ODOUR: HYDROCARBON

ODOUR THRESHOLD: NOT AVAILABLE

PH: NOT APPLICABLE

MELTING POINT/FREEZING POINT:

NOT AVAILABLE (MELTING)
NOT AVAILABLE (FREEZING)

INITIAL BOILING POINT/RANGE: NOT AVAILABLE

FLASH POINT: -8 DEG. C

EVAPORATION RATE: NOT AVAILABLE

FLAMMABILITY (SOLID, GAS): EXTREMELY FLAMMABLE AEROSOL

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMIT:

12.7% (UPPER)
2% (LOWER)

VAPOUR PRESSURE: NOT AVAILABLE

VAPOUR DENSITY (AIR = 1): >1

RELATIVE DENSITY (WATER = 1): 0.700 AT 15 DEG. C

SOLUBILITY: INSOLUBLE IN WATER

PARTITION COEFFICIENT, N-OCTANOL/WATER (LOG KOW): NOT AVAILABLE

AUTO-IGNITION TEMPERATURE: 399 DEG. C

DECOMPOSITION TEMPERATURE: NOT AVAILABLE

VISCOSITY: <14 CENTISTOKES AT 40 DEG. C (KINEMATIC)

OTHER INFORMATION:

VOC (%): 100

FLAME PROJECTION: >100 CM

-----SECTION 10. STABILITY AND REACTIVITY -----

REACTIVITY: NOT REACTIVE UNDER NORMAL CONDITIONS OF USE.

CHEMICAL STABILITY: NORMALLY STABLE.

POSSIBILITY OF HAZARDOUS REACTIONS:

NONE EXPECTED UNDER NORMAL CONDITIONS OF STORAGE AND USE.

CONDITIONS TO AVOID:

OPEN FLAMES, SPARKS, STATIC DISCHARGE, HEAT AND OTHER IGNITION SOURCES.

INCOMPATIBLE MATERIALS:

INCREASED RISK OF FIRE AND EXPLOSION ON CONTACT WITH:
STRONG OXIDIZING AGENTS (E.G. PERCHLORIC ACID).

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON OXIDES. AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS.

-----SECTION 11. TOXICOLOGICAL INFORMATION -----

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO
VARIOUS ORGANIC SOLVENTS WITH INTERNAL ORGAN, BRAIN AND NERVOUS SYSTEM
DAMAGE.

LIKELY ROUTES OF EXPOSURE:

INHALATION.
SKIN CONTACT.
EYE CONTACT.
INGESTION.

ACUTE TOXICITY:

CHEMICAL NAME	LC50	LD50 (ORAL)	LD50 (DERMAL)
HEPTANE	APPROX. 25000 PPM (RAT) (4-HOUR EXPOSURE)	>15000 MG/KG (RAT)	NOT AVAILABLE
ISOPROPRANOL	17000 PPM (RAT) (4-HOUR EXPOSURE)	4720 MG/KG (MALE RAT)	12890 MG/KG (RABBIT)

SKIN CORROSION/IRRITATION:

MODERATE TO SEVERE IRRITANT, DEPENDING ON DURATION OF EXPOSURE.

SERIOUS EYE DAMAGE/IRRITATION: MODERATE TO SEVERE IRRITANT.

STOT (SPECIFIC TARGET ORGAN TOXICITY) - SINGLE EXPOSURE:

INHALATION:

HIGH CONCENTRATIONS MAY CAUSE RESPIRATORY IRRITATION AND CENTRAL NERVOUS SYSTEM DEPRESSION WITH RESULTS RANGING FROM DIZZINESS AND HEADACHE TO UNCONSCIOUSNESS.

SKIN ABSORPTION: MAY CAUSE DEFATTING AND PRODUCE DERMATITIS.

INGESTION:

IF LARGE AMOUNTS ARE SWALLOWED SYMPTOMS MAY INCLUDE NAUSEA, VOMITING, STOMACH CRAMPS AND DIARRHEA.

ASPIRATION HAZARD:

MAY CAUSE LUNG DAMAGE IF ASPIRATED BASED ON PHYSICAL PROPERTIES (E.G. KINEMATIC VISCOSITY) AND CHEMICAL FAMILY (HYDROCARBON). ASPIRATION INTO THE LUNGS DURING SWALLOWING OR SUBSEQUENT VOMITING MAY CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL.

STOT (SPECIFIC TARGET ORGAN TOXICITY) - REPEATED EXPOSURE:

NO INFORMATION WAS LOCATED.

RESPIRATORY AND/OR SKIN SENSITIZATION:

NOT KNOWN TO BE A RESPIRATORY SENSITIZER.

NOT KNOWN TO BE A SKIN SENSITIZER.

CARCINOGENICITY:

CHEMICAL NAME	IARC	ACGIH(R*)	NTP	OSHA
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HEPTANE	NOT EVALUATED	NOT LISTED	NOT LISTED	NOT LISTED
ISOPROPANOL	GROUP 3	A4	NOT LISTED	NOT LISTED

NOT KNOWN TO CAUSE CANCER.

OTHER INFORMATION:

SYNERGISTIC PRODUCTS:

ISOPROPANOL INCREASES THE HEPATOXIC EFFECTS OF CHLORINATED ALIPHATIC HYDROCARBONS

NO INFORMATION WAS LOCATED FOR:

DEVELOPMENT OF OFFSPRING, SEXUAL FUNCTION AND FERTILITY, EFFECTS ON OR VIA LACTATION, GERM CELL MUTAGENICITY, INTERACTIVE EFFECTS

-----SECTION 12. ECOLOGICAL INFORMATION -----

THIS SECTION IS NOT REQUIRED BY WHMIS.

THIS SECTION IS NOT REQUIRED BY OSHA.

-----SECTION 13. DISPOSAL CONSIDERATIONS -----

DISPOSAL METHODS:

CONTENTS UNDER PRESSURE. THE CONTAINER FOR THIS PRODUCT CAN PRESENT EXPLOSION OR FIRE HAZARDS, EVEN WHEN EMPTIED. DO NOT CUT, PUNCTURE, OR WELD ON OR NEAR THIS CONTAINER. DISPOSE OF IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL/STATE OR FEDERAL REGULATIONS.

-----SECTION 14. TRANSPORT INFORMATION -----

REGULATION	UN NO.	PROPER SHIPPING NAME	TRANSPORT HAZARD CLASS(ES)	PACKING GROUP
CANADIAN TDG	UN1950	AEROSOLS	2.1	
IATA (AIR)	UN1950	AEROSOLS, FLAMMABLE	2.1	
IMDG (MARINE)	UN1950	AEROSOLS	2.1	

SPECIAL PRECAUTIONS FOR USER: NOT APPLICABLE

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE: NOT APPLICABLE

EMERGENCY RESPONSE GUIDE NO.: 126 EMS F-D, S-U

OTHER INFORMATION:

ICAO/IATA PI Y203/203:

PRODUCT MAY SHIP AS LTD QTY IF TDG, ICAO/IATA OR IMDG LIMITED QUANTITY PROVISIONS ARE MET.

-----SECTION 15. REGULATORY INFORMATION -----

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:

CANADA:

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 THE CONTROLLED PRODUCTS REGULATIONS.

DOMESTIC SUBSTANCES LIST (DSL) / NON-DOMESTIC SUBSTANCES LIST (NDSL):
ALL INGREDIENTS ARE LISTED ON THE DSL/NDSL.

CEPA - NATIONAL POLLUTANT RELEASE INVENTORY (NPRI): (ISOPROPANOL) PART 1A.

USA:

TOXIC SUBSTANCES CONTROL ACT (TSCA) SECTION 8(B):
ALL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.

ADDITIONAL USA REGULATORY LISTS:

CERCLA: NOT APPLICABLE.

SARA TITLE III - SECTION 302: NOT APPLICABLE.

SARA TITLE III - SECTION 313. (ISOPROPANOL)

CALIFORNIA PROPOSITION 65: NOT APPLICABLE.

MASSACHUSETTS RIGHT TO KNOW: NOT APPLICABLE.

NEW JERSEY RIGHT TO KNOW. (ISOPROPANOL). (CARBON DIOXIDE GAS)

PENNSYLVANIA RIGHT TO KNOW. (ISOPROPANOL). (CARBON DIOXIDE GAS)

-----SECTION 16. OTHER INFORMATION -----

NFPA RATING: BASED ON HEPTANE

HEALTH 2

FLAMMABILITY 3

INSTABILITY 0

SDS PREPARED BY: REGULATORY COMPLIANCE

PHONE NO.: 905.847.0222

DATE OF PREPARATION: MAY 07, 2015

KEY TO ABBREVIATIONS:

ACGIH(R*) = AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CANUTEC = CANADIAN TRANSPORTATION EMERGENCY CENTRE
CAS = CHEMICAL ABSTRACT SERVICES
CCOHS = CANADIAN CENTRE FOR OCCUPATIONAL HEALTH & SAFETY
CNS = CENTRAL NERVOUS SYSTEM
HSDB(R*) = HAZARDOUS SUBSTANCES DATA BANK
GESTIS SUBSTANCE DATABASE
IARC = INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
ICAO = INTERNATIONAL CIVIL AVIATION ORGANIZATION
IMDG = INTERNATIONAL MARITIME DANGEROUS GOODS CODE
LC = LETHAL CONCENTRATION
LD = LETHAL DOSE
NTP = NATIONAL TOXICOLOGY PROGRAM
OSHA = US OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PPM = PARTS PER MILLION
RTECS(R*) = REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
STEL = SHORT TERM EXPOSURE LIMIT
TDG = TRANSPORTATION OF DANGEROUS GOODS REGULATIONS (CANADA)
TWA = TIME WEIGHTED AVERAGE

REFERENCES:

CHEMINFO DATABASE. CANADIAN CENTRE FOR OCCUPATIONAL HEALTH AND SAFETY (CCOHS). HSDB(R*) DATABASE. US NATIONAL LIBRARY OF MEDICINE. AVAILABLE FROM CANADIAN CENTRE FOR OCCUPATIONAL HEALTH AND SAFETY (CCOHS).

ECHA - EUROPEAN CHEMICAL AGENCY, CLASSIFICATION AND LABELLING INVENTORY:
GESTIS SUBSTANCE DATABASE

REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS(R*)) DATABASE.
ACCELRY'S, INC. AVAILABLE FROM CANADIAN CENTRE FOR OCCUPATIONAL HEALTH AND SAFETY (CCOHS).

DISCLAIMER:

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SDS NO.: BD1539

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